



# CD8 a (PTR1338) mouse mAb

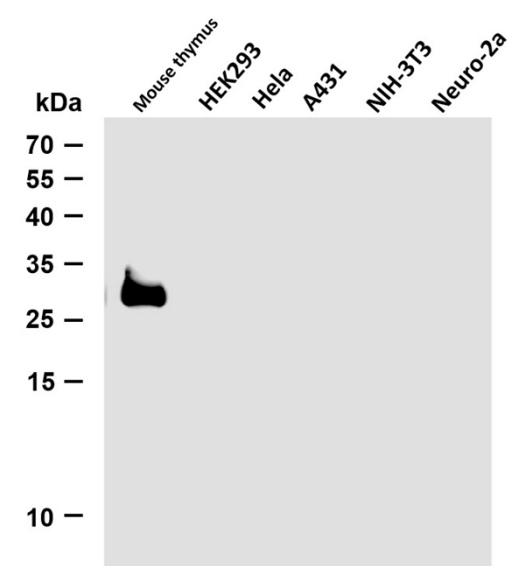
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 货号   | BYab-17999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 同位型  | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 应用   | IHC;WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 种属   | Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 靶点   | CD8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 简介   | >>Cell adhesion molecules;>>Antigen processing and presentation;>>Hematopoietic cell lineage;>>T cell receptor signaling pathway;>>Yersinia infection;>>Primary immunodeficiency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 基因名称 | CD8A MAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 蛋白名称 | CD8 a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 免疫原  | Synthesized peptide derived from human CD8 a AA range: 150-235                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 特异性  | This antibody detects endogenous levels of CD8 protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 组成   | PBS, pH7.4, 50% glycerol, 0.05% Proclin 300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 来源   | Monoclonal, Mouse IgG2b, Kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 稀释   | IHC-p 1:200-400, WB 1:200-1000, ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 纯化工艺 | Protein G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 其他名称 | T-cell surface glycoprotein CD8 alpha chain (T-lymphocyte differentiation antigen T8/Leu-2;CD antigen CD8a;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 分子量  | 26kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 实测条带 | 30-35kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 背景   | The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class I MHC molecules. The coreceptor functions as either a homodimer composed of two alpha chains or as a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 alpha chain. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011], |
| 功能   | disease:Defects in CD8A are a cause of familial CD8 deficiency (CD8 deficiency) [MIM:608957]. Familial CD8 deficiency is a novel autosomal recessive immunologic defect characterized by absence of CD8+ cells, leading to recurrent bacterial infections.,function:Identifies cytotoxic/suppressor T-cells that interact with MHC class I bearing targets. CD8 is thought to play a role in the process of                                                                                                                                                                                                                                                                                                                                                    |

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|        | T-cell mediated killing. CD8 alpha chains binds to class I MHC molecules alpha-3 domains.,online information:CD8 entry,online information:CD8A mutation db,PTM:All of the five most carboxyl-terminal cysteines form inter-chain disulfide bonds in dimers and higher multimers, while the four N-terminal cysteines do not.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,subunit:In general heterodimer of an alpha and a beta chain linked by two disulfide bonds. Can also form homodimers. |
| 细胞定位   | [Isoform 1]: Cell membrane ; Single-pass type I membrane protein. CD8A localizes to lipid rafts only when associated with its partner CD8B. .; [Isoform 2]: Secreted .                                                                                                                                                                                                                                                                                                                                               |
| 组织表达   | CD8 on thymus-derived T-cells usually consists of a disulfide-linked alpha/CD8A and a beta/CD8B chain. Less frequently, CD8 can be expressed as a CD8A homodimer. A subset of natural killer cells, memory T-cells, intraepithelial lymphocytes, monocytes and dendritic cells expresses CD8A homodimers. Expressed at the cell surface of plasmacytoid dendritic cells upon herpes simplex virus-1 stimulation.                                                                                                     |
| 浓度     | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 储存     | -15°C to -25°C/1 year(Do not lower than -25°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 有关注意事项 | Avoid repeated freezing and thawing!                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 使用建议   | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.                                                                                                                                                                                                                                                                                                                                                                                    |

## Products Images



— CD8 a

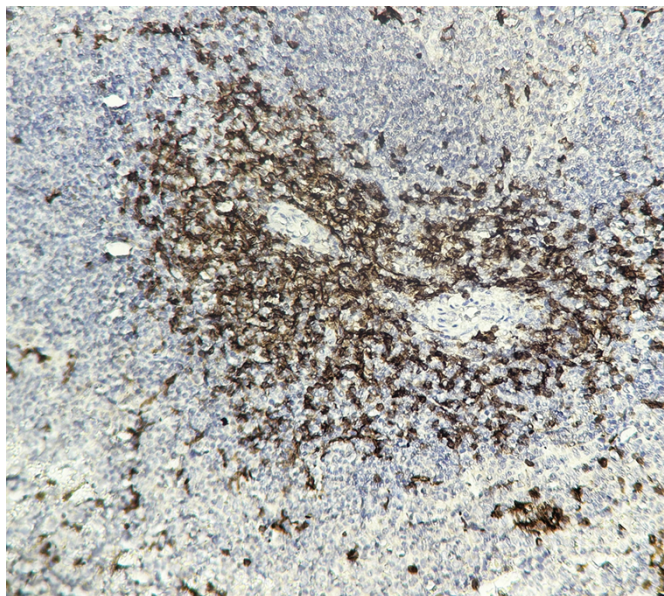
Various whole cell lysates were separated by 10% SDS-PAGE and the membrane was blotted with anti-CD8a (PTR1338) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: Mouse thymus Lane 2: HEK293 Lane 3: Hela Lane 4: A431 Lane 5: NIH-3T3 Lane 6: Neuro-2a Predicted band size: 26 kDa Observed band size: 30-35 kDa

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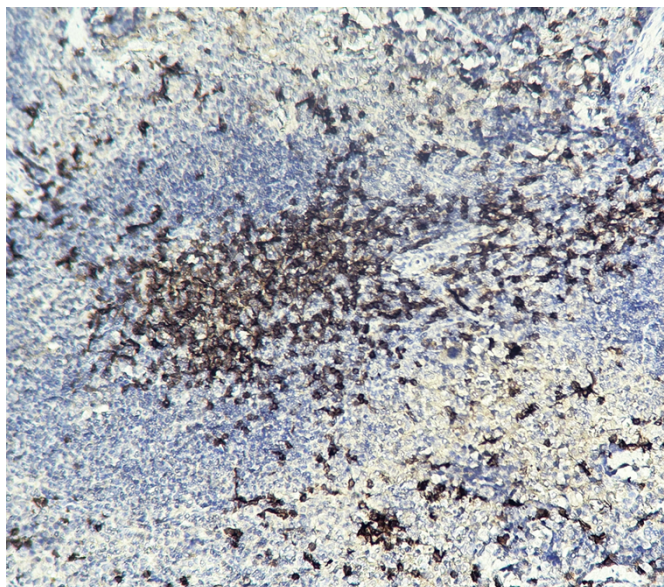
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Mouse spleen tissue was stained with Anti-CD8 a  
(PTR1338)  
Antibody



Mouse spleen tissue was stained with Anti-CD8 a  
(PTR1338)Antibody