



# CD45R Mouse mAb

|                    |                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-33025                                                                                                                                                                                                                                                                                                                                                                     |
| Isotype            | Mouse IgG1                                                                                                                                                                                                                                                                                                                                                                     |
| Reactivity         | Human,Mouse,Rat                                                                                                                                                                                                                                                                                                                                                                |
| Applications       | WB,IHC-P,ICC/IF,FC,ELISA                                                                                                                                                                                                                                                                                                                                                       |
| Gene Name          | CD45R                                                                                                                                                                                                                                                                                                                                                                          |
| Alternative Names  | PTPRC; LCA; LY5; B220; L-CA; T200; CD45; GP180                                                                                                                                                                                                                                                                                                                                 |
| Research Field     | Immunology                                                                                                                                                                                                                                                                                                                                                                     |
| Product Categories | Primary antibody                                                                                                                                                                                                                                                                                                                                                               |
| Host               | Mouse                                                                                                                                                                                                                                                                                                                                                                          |
| Molecular Weight   | Calculated MW: 148 kDa                                                                                                                                                                                                                                                                                                                                                         |
| Clonality          | Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                                            |
| Clonality No.      | 6S8-T2-X6                                                                                                                                                                                                                                                                                                                                                                      |
| Dilution           | WB: 1/500-1/1000 IHC: 1/100-1/200 IF: 1/50-1/200 FC: 1/50-1/100 ELISA: 1/10000                                                                                                                                                                                                                                                                                                 |
| Immunogen          | Purified recombinant fragment of human CD45R expressed in E. Coli.                                                                                                                                                                                                                                                                                                             |
| Purification       | Affinity Purified                                                                                                                                                                                                                                                                                                                                                              |
| Conjugation        | Unconjugated                                                                                                                                                                                                                                                                                                                                                                   |
| Modification       | Unmodified                                                                                                                                                                                                                                                                                                                                                                     |
| Form               | Liquid                                                                                                                                                                                                                                                                                                                                                                         |
| Buffer System      | Purified antibody in PBS with 0.05% sodium azide                                                                                                                                                                                                                                                                                                                               |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                        |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                           |
| Storage            | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                       |
| Background         | The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitosis, and oncogenic transformation. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic |

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catalytic domains, and thus is classified as a receptor type PTP. This PTP has been shown to be an essential regulator of T- and B-cell antigen receptor signaling. It functions through either direct interaction with components of the antigen receptor complexes, or by activating various Src family kinases required for the antigen receptor signaling. This PTP also suppresses JAK kinases, and thus functions as a regulator of cytokine receptor signaling. Alternatively spliced transcripts variants of this gene, which encode distinct isoforms, have been reported.

**matters needing attention**

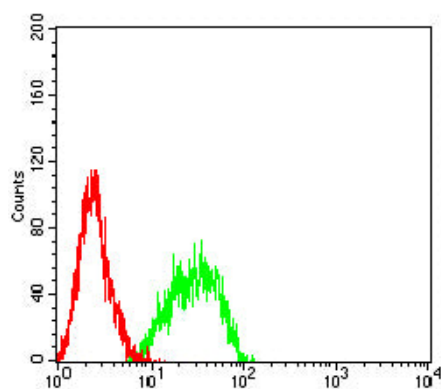
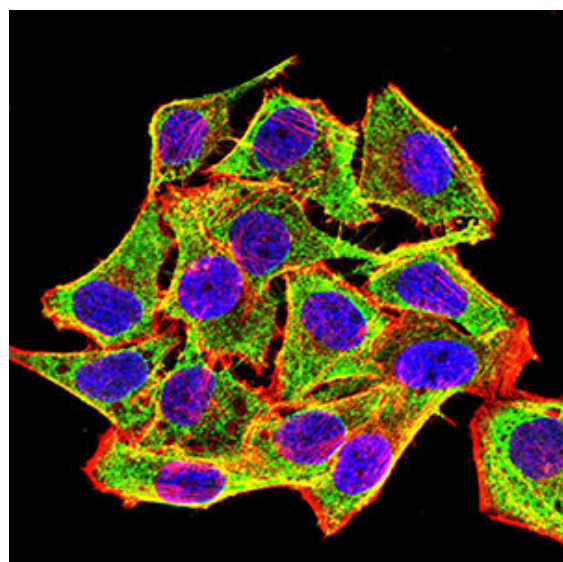
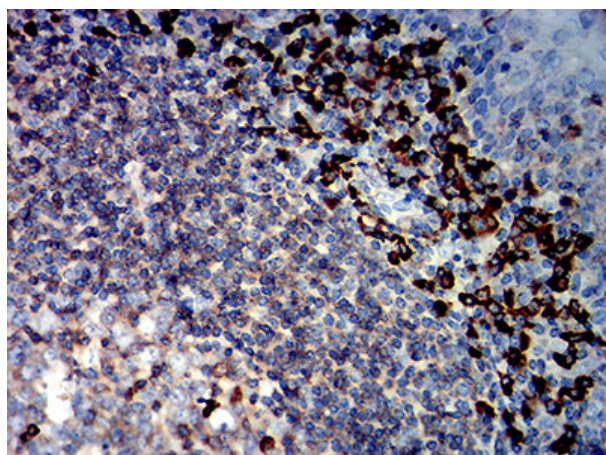
Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



## Products Images



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