



# CD108 Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-03747                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Reactivity</b>         | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>       | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Name</b>          | SEMA7A                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Name</b>       | Semaphorin-7A                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Immunogen</b>          | Synthesized peptide derived from CD108 . at AA range: 150-230                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Specificity</b>        | CD108 Polyclonal Antibody detects endogenous levels of CD108 protein.                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                             |
| <b>Dilution</b>           | Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>           | SEMA7A; CD108; SEMAL; Semaphorin-7A; CDw108; JMH blood group antigen; John-Milton-Hargen human blood group Ag; Semaphorin-K1; Sema K1; Semaphorin-L; Sema L; CD antigen CD108                                                                                                                                                                                                                                                                                     |
| <b>Observed Band</b>      | 75kD                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Cell Pathway</b>       | Cell membrane ; Lipid-anchor, GPI-anchor ; Extracellular side . Detected in a punctate pattern on the cell membrane of basal and supra-basal skin keratinocytes.                                                                                                                                                                                                                                                                                                  |
| <b>Tissue Specificity</b> | Detected in skin keratinocytes and on endothelial cells from skin blood vessels (at protein level). Expressed in fibroblasts, keratinocytes, melanocytes, placenta, testis, ovary, spleen, brain, spinal chord, lung, heart, adrenal gland, lymph nodes, thymus, intestine and kidney.                                                                                                                                                                            |
| <b>Function</b>           | function:May play an imortant role in the nervous system and in modulating immune function.,online information:Blood group antigen gene mutation database,similarity:Belongs to the semaphorin family.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 1 PSI domain.,similarity:Contains 1 Sema domain.,tissue specificity:Expressed in placenta, testis, ovary, spleen, brain, spinal chord, lung, heart, adrenal gland, |

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lymph nodes, thymus, intestine and kidney.,

#### Background

This gene encodes a member of the semaphorin family of proteins. The encoded preproprotein is proteolytically processed to generate the mature glycosylphosphatidylinositol (GPI)-anchored membrane glycoprotein. The encoded protein is found on activated lymphocytes and erythrocytes and may be involved in immunomodulatory and neuronal processes. The encoded protein carries the John Milton Hagen (JMH) blood group antigens. Mutations in this gene may be associated with reduced bone mineral density (BMD). Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Feb 2016],

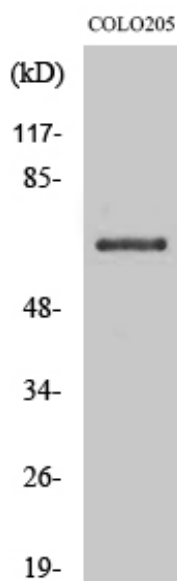
#### matters needing attention

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



Western Blot analysis of various cells using CD108 Polyclonal Antibody