

# CD162/PSGL-1 Rabbit mAb

Catalog No.: A23373 **Recombinant**

## Basic Information

### Observed MW

122kDa

### Calculated MW

43kDa/44kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC55288

## Background

This gene encodes a glycoprotein that functions as a high affinity counter-receptor for the cell adhesion molecules P-, E- and L- selectin expressed on myeloid cells and stimulated T lymphocytes. As such, this protein plays a critical role in leukocyte trafficking during inflammation by tethering of leukocytes to activated platelets or endothelia expressing selectins. This protein requires two post-translational modifications, tyrosine sulfation and the addition of the sialyl Lewis x tetrasaccharide (sLex) to its O-linked glycans, for its high-affinity binding activity. Aberrant expression of this gene and polymorphisms in this gene are associated with defects in the innate and adaptive immune response. Alternate splicing results in multiple transcript variants.

## Recommended Dilutions

<b>WB</b>	1:10000 - 1:200000
<b>IHC-P</b>	1:1000 - 1:5000
<b>IF/ICC</b>	1:100 - 1:500

## Immunogen Information

### Gene ID

6404

### Swiss Prot

Q14242

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 42-295 of human CD162/PSGL-1 (NP\_002997.2).

### Synonyms

CLA; CD162; PSGL1; PSGL-1; CD162/PSGL-1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

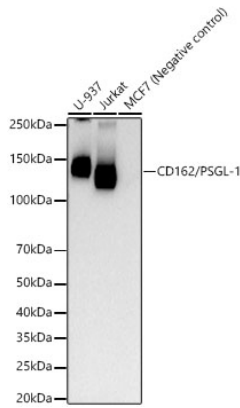
Affinity purification

### Storage

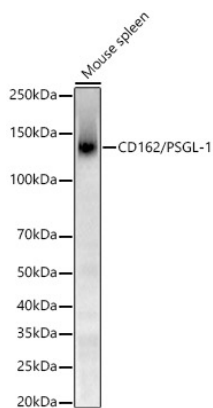
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

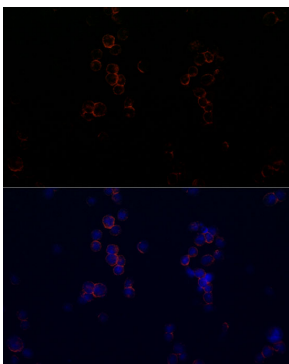
## Validation Data



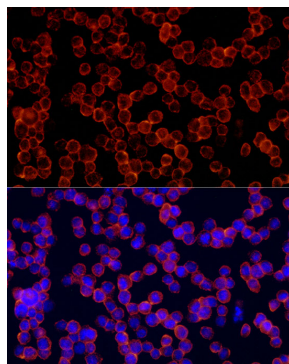
Western blot analysis of various lysates, using CD162/PSGL-1 Rabbit mAb (A23373) at 1:200000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



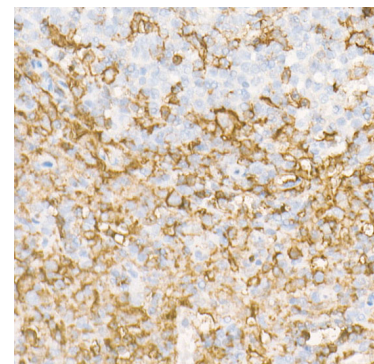
Western blot analysis of lysates from Mouse spleen, using CD162/PSGL-1 Rabbit mAb (A23373) at 1:200000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Immunofluorescence analysis of Jurkat cells using CD162/PSGL-1 Rabbit mAb (A23373) at dilution of 1:500 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



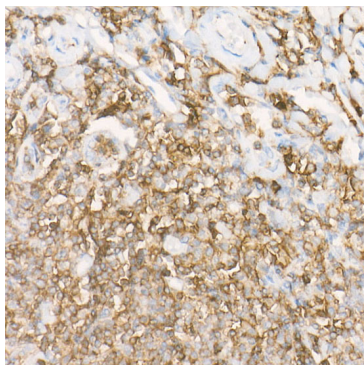
Immunofluorescence analysis of U-937 cells using CD162/PSGL-1 Rabbit mAb (A23373) at dilution of 1:500 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Human spleen using CD162/PSGL-1 Rabbit mAb (A23373) at dilution of 1:1500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.

## Validation Data

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Immunohistochemistry analysis of paraffin-embedded Human tonsil using CD162/PSGL-1 Rabbit mAb (A23373) at dilution of 1:1500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.