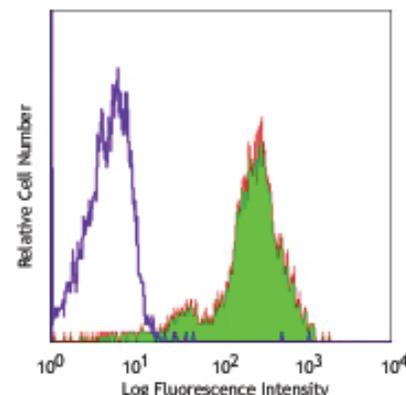


## Purified anti-human CD162

**Catalog # / Size:** 328802 / 100 µg  
**Clone:** KPL-1  
**Isotype:** Mouse IgG1, κ  
**Immunogen:** PSGL-1 transfected murine 300.19 pre B-cell line  
**Reactivity:** Human, **Cross-Reactivity:** Cynomolgus  
**Preparation:** The antibody was purified by affinity chromatography.  
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.  
**Concentration:** 0.5 mg/ml  
**Storage:** The antibody solution should be stored undiluted at 4°C.



Human peripheral blood lymphocytes stained with purified KPL-1, followed by anti-mouse IgG FITC

## Applications:

**Applications:** FC - *Quality tested*  
 WB, IP, IHC - *Reported in the literature*

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications (for the relevant formats) include: Western Blot<sup>1</sup>, immunoprecipitation<sup>2</sup>, immunohistochemical staining of acetone-fixed frozen tissue sections and formalin-fixed paraffin embedded tissue sections<sup>1</sup>, blocks the recognition of PSGL-1 with P- and L-selectin<sup>1</sup>.

**Application References:**

1. Snapp KR, *et al.* 1998. *Blood* 91:154.
2. Snapp KR, *et al.* 1998. *J. Cell Biol.* 142:263.
3. Yoshino N, *et al.* 2000. *Exp. Anim. (Tokyo)* 49:97. (FC)
4. Miyamura K, *et al.* 2011. *J. Gen. Virol.* 92:287. PubMed
5. Cheng Q, *et al.* 2012. *Lupus.* 21:632. PubMed.

**Description:** CD162, also known as p-selectin glycoprotein ligand-1 (PSGL-1), is a 120 - 220 kD, mucin-like type I transmembrane glycoprotein. CD162 binds to CD62P (P-Selectin), CD62E (E-Selectin) and CD62L (L-Selectin). The interactions between P-selectin and P-selectin glycoprotein ligand-1 (PSGL-1) mediate the earliest "rolling" of leukocytes on the luminal surface of activated endothelium, and the interaction between leukocytes and activated platelets or other leukocytes found at sites of inflammation. CD162 is expressed on neutrophils, monocytes, and most lymphocytes including NK and T cells but PSGL-1 stains B cells at significantly lower levels than other cell types.

**Antigen References:** 1. Snapp KR, *et al.* 1998. *Blood* 91:154.

### Related Products: Product

Purified Mouse IgG1, κ Isotype Ctrl  
 Cell Staining Buffer  
 RBC Lysis Buffer (10X)

### Clone

MOPC-21

### Application

FC, ICFC, ICC, IF, IHC, IP, WB  
 FC, ICC, ICFC  
 FC, ICFC



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