

**PerCP/Cyanine5.5 anti-human CD162**

**Catalog # /** 2244085 / 25 tests  
**Size:** 2244090 / 100 tests

**Clone:** KPL-1

**Isotype:** Mouse IgG1, κ

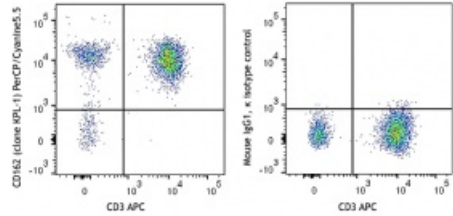
**Immunogen:** PSGL-1 transfected murine 300.19 pre B-cell line

**Reactivity:** Human, Non-human primate, Other

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cyanine5.5 and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

**Concentration:** Lot-specific



Human peripheral blood lymphocytes were stained with CD3 APC and CD162 (clone KPL-1) PerCP/Cyanine5.5 (left) or Mouse IgG1, κ PerCP/Cyanine5.5 isotype control (right).

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.

\* PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

**Application Notes:** Clone KPL-1 is reported to recognize the tyrosine sulfation consensus motif of PSGL-1<sup>1</sup>. 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.