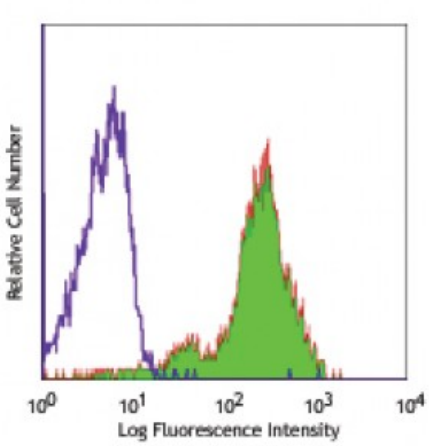
SONY

Product Data Sheet

Purified anti-human CD162

Catalog # / Size:	2244010 / 100 µg
Clone:	KPL-1
Isotype:	Mouse IgG1, κ
Immunogen:	PSGL-1 transfected murine 300.19 pre B-cell line
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.5



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

Applications:

Applications:	Other
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 ≤0.5 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes:	Clone KPL-1 is reported to recognize the tyrosine sulfation consensus motif of PSGL-11. Additional reported applications (for the relevant formats) include: Western Blot1, immunoprecipitation2, immunohistochemical staining of acetone-fixed frozen tissue sections and formalin-fixed paraffin embedded tissue sections1, blocks the recognition of PSGL-1 with P- and L-selectin1.

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 lumenal 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.

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