

Technical Data Sheet

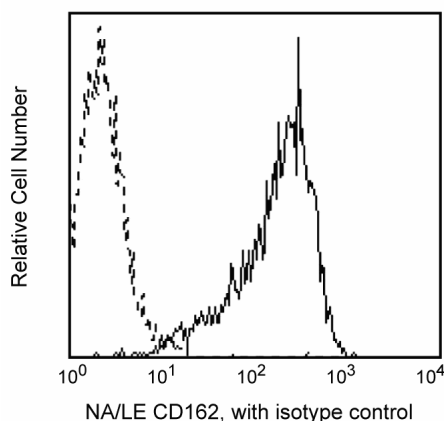
Purified NA/LE Mouse Anti-Human CD162

Product Information

Material Number:	556052
Alternate Name:	PSGL-1, p-selectin glycoprotein ligand-1
Size:	0.5 mg
Concentration:	1.0 mg/ml
Clone:	KPL-1
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Storage Buffer:	No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2 μ m sterile filtered. Endotoxin level is ≤ 0.01 EU/ μ g (≤ 0.001 ng/ μ g) of protein as determined by the LAL assay.

Description

Reacts with p-selectin glycoprotein ligand-1 (PSGL-1), a 120 - 220 kDa, mucin-like type I transmembrane glycoprotein. CD162 is expressed on neutrophils, monocytes, and most lymphocytes. CD162 binds to CD62P (P-Selectin), CD62E (E-Selectin) and CD62L (L-Selectin). This molecule mediates rolling of leukocytes on activated endothelium and the interaction between leukocytes and activated platelets or other leukocytes found at inflammatory sites. It has also been reported that this clone completely inhibits the interaction between P-Selectin and either CD4-T cells or neutrophils.



Profile of peripheral blood lymphocytes analyzed by flow cytometry

Preparation and Storage

Store undiluted at 4°C.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

This preparation contains no preservatives, thus it should be handled under aseptic conditions.

Application Notes

Application

Flow cytometry	Routinely Tested
Blocking	Reported
Immunoprecipitation	Reported
Western blot	Reported

Suggested Companion Products

Catalog Number	Name	Size	Clone
554721	Purified NA/LE Mouse IgG1 κ Isotype Control	0.5 mg	107.3
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal

Product Notices

- Since applications vary, each investigator should titrate the reagent to obtain optimal results.

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2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

References

Barclay NA, Brown MH, Birkeland ML, et al, ed. *The Leukocyte Antigen FactsBook*. San Diego, CA: Academic Press; 1997. (Biology)

Snapp KR, Ding H, Atkins K, Warnke R, Luscinskas FW, Kansas GS. A novel P-selectin glycoprotein ligand-1 monoclonal antibody recognizes an epitope within the tyrosine sulfate motif of human PSGL-1 and blocks recognition of both P- and L-selectin. *Blood*. 1998; 91(1):154-164. (Biology: Blocking, Immunoprecipitation, Western blot)