

Technical Data Sheet

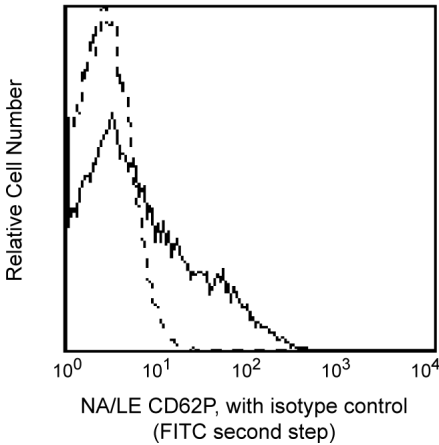
Purified NA/LE Mouse Anti-Human CD62P

Product Information

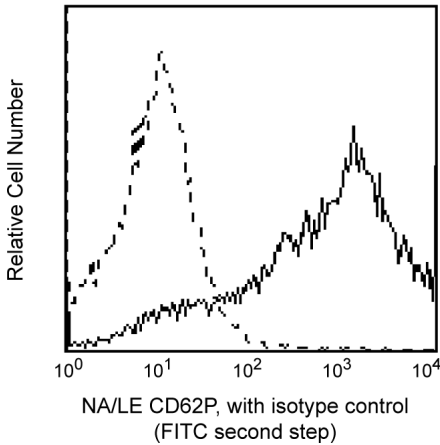
Material Number:	551345
Alternate Name:	P-Selectin; GMP-140; PADGEM
Size:	0.5 mg
Concentration:	1.0 mg/ml
Clone:	AK-4
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	VI P-44
Storage Buffer:	No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2µm sterile filtered. Endotoxin level is ≤0.01 EU/µg (≤0.001 ng/µg) of protein as determined by the LAL assay.

Description

Reacts with the 140 kDa membrane glycoprotein, P-Selectin, formerly known as platelet activation-dependent granule membrane protein (PADGEM), or GMP-140. P-Selectin is stored in the α-granules of platelets and the Weibel-Palade bodies of endothelial cells, and is rapidly transported to the plasma membrane upon activation. P-Selectin is thought to mediate the initial adhesive interactions of neutrophils and monocytes with endothelium in inflammatory responses, and of activated platelets to neutrophils and monocytes in hemostasis.



Profile of resting platelets analyzed by flow cytometry. Second step staining with polyclonal FITC Goat Anti-Mouse IgG/IgM (Cat. No. 555988).



Profile of thrombin-activated platelets analyzed by flow cytometry. Second step staining with polyclonal FITC Goat Anti-Mouse IgG/IgM (Cat. No. 555988).

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
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal
554721	Purified NA/LE Mouse IgG1 κ Isotype Control	0.5 mg	107.3
554656	Stain Buffer (FBS)	500 ml	(none)
349202	FACS Lysing Solution		(none)

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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. An isotype control should be used at the same concentration as the antibody of interest.
3. Please refer to www.bdbiosciences.com/pharming/protocols for technical protocols.

References

Johnson-Tidey RR, McGregor JL, Taylor PR, Poston RN. Increase in the adhesion molecule P-selectin in endothelium overlying atherosclerotic plaques. Coexpression with intercellular adhesion molecule-1. *Am J Pathol.* 1994; 144(5):952-961. (Biology)

Kishimoto T, von dem Borne AEG, Goyert SM, et al., ed. *Leucocyte Typing VI: White Cell Differentiation Antigens*. London: Garland Publishing; 1997. (Clone-specific)

Lasky LA. Selectins: interpreters of cell-specific carbohydrate information during inflammation. *Science.* 1992; 258(5084):964-969. (Biology)

Schlossman SF, Boumsell L, Gilks W, et al, ed. *Leukocyte Typing V: White Cell Differentiation Antigens*. New York: Oxford University Press; 1995. (Biology)

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