

Technical Data Sheet

Purified NA/LE Rat Anti-Mouse CD62P

Product Information

Material Number:	553741
Alternate Name:	P-selectin
Size:	0.5 mg
Concentration:	1.0 mg/ml
Clone:	RB40.34
Immunogen:	P-selectin-IgG1 Fusion
Isotype:	Rat (LEW) IgG1, λ
Reactivity:	QC Testing: Mouse
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

The RB40.34 antibody reacts with mouse P-selectin (CD62P), a 140 kDa protein which is expressed on activated platelets, activated endothelial cells, and megakaryocytes. P-selectin mediates the adhesion of neutrophils and monocytes to activated platelets and endothelial cells, mediates leukocyte rolling, and is involved in the migration of leukocytes into inflamed tissues. CD24 and CD162 (PSGL-1) are ligands of CD62P. mAb RB40.34 can block mouse P-selectin binding to its ligands in vitro and in vivo.

Preparation and Storage

Store undiluted at 4°C.

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

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

Application Notes

Application

Flow cytometry	Routinely Tested
Blocking	Reported
Immunoprecipitation	Reported
ELISA	Reported
Immunofluorescence	Reported
Immunohistochemistry-frozen	Reported

Suggested Companion Products

Catalog Number	Name	Size	Clone
550289	Purified Rat Anti-Mouse CD62P	1.0 ml	RB40.34
559157	Purified NA/LE Rat IgG1, λ Isotype Control	0.5 mg	A110-1
554016	FITC Goat Anti-Rat Ig	0.5 mg	Polyclonal
553742	Purified Rat Anti-Mouse CD62P	0.5 mg	RB40.34

Product Notices

- Since applications vary, each investigator should titrate the reagent to obtain optimal results.
- Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

References

Austrup F, Vestweber D, Borges E, et al. P- and E-selectin mediate recruitment of T-helper-1 but not T-helper-2 cells into inflamed tissues. *Nature*. 1997; 385(6611):81-83. (Clone-specific: Blocking)

Bosse R, Vestweber D. Only simultaneous blocking of the L- and P-selectin completely inhibits neutrophil migration into mouse peritoneum. *Eur J Immunol*. 1994; 24(12):3019-3024. (Immunogen: Blocking, ELISA, Flow cytometry, Immunoprecipitation)

Hirata T, Furie BC, Furie B. P-, E-, and L-selectin mediate migration of activated CD8+ T lymphocytes into inflamed skin. *J Immunol*. 2002; 169(8):4307-4313. (Clone-specific: Blocking)

Kataaki T, Mori KJ, Masuda T, Shimizu A. Selective accumulation of type 1 effector cells expressing P-selectin ligand and/or alpha(4)beta(7)-integrin at the lesions of autoimmune gastritis. *Int Immunol*. 2002; 14(2):167-175. (Clone-specific: Immunohistochemistry)

Ley K, Bullard DC, Arbones ML, et al. Sequential contribution of L- and P-selectin to leukocyte rolling in vivo. *J Exp Med*. 1995; 181(2):669-675. (Clone-specific: Blocking)

Pendl GG, Robert C, Steinert M, et al. Immature mouse dendritic cells enter inflamed tissue, a process that requires E- and P-selectin, but not P-selectin glycoprotein ligand 1. *Blood*. 2002; 99(3):946-956. (Clone-specific: Blocking)

BD Biosciences

bdbiosciences.com

United States	Canada	Europe	Japan	Asia Pacific	Latin America/Caribbean
877.232.8995	888.259.0187	32.53.720.550	0120.8555.90	65.6861.0633	55.11.5185.9995

For country-specific contact information, visit bdbiosciences.com/how_to_order/

Conditions: The information disclosed herein is not to be construed as a recommendation to use the above product in violation of any patents. BD Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Becton Dickinson and Company is strictly prohibited.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Not for resale.

BD, BD Logo and all other trademarks are the property of Becton, Dickinson and Company. ©2008 BD



Tietz W, Allemand Y, Borges E, et al. CD4+ T cells migrate into inflamed skin only if they express ligands for E- and P-selectin. *J Immunol.* 1998; 161(2):963-970. (Clone-specific: Blocking)

Yang J, Galipeau J, Kozak CA, Furie BC, Furie B. Mouse P-selectin glycoprotein ligand-1: molecular cloning, chromosomal localization, and expression of a functional P-selectin receptor. *Blood.* 1996; 87(10):4176-4186. (Biology)