

Datasheet for ABIN2691046

P-Selectin Protein

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Overview

Quantity:	0.1 mg
Target:	P-Selectin (SELP)
Origin:	Mouse
Source:	Synthetic
Application:	Immunoprecipitation (IP), Flow Cytometry (FACS)

Product Details

Brand:	BD Pharmingen™
Characteristics:	The Mouse P-selectin - IgG Fusion Protein is composed of the signal sequence, the lectin domain, the EGF-like repeat, and the first two complement-binding domains of mouse P-selectin (CD62P) fused to the Fc region (hinge, CH2 and CH3) of human IgG1. This chimeric protein binds to P-selectin ligand expressed on mouse neutrophils and myeloid cell lines. Furthermore, P-selectin-IgG fusion protein selectively stains Th1 cells, but not Th2 cells reported in the literature. Detection of P-Selectin ligands on mouse granulocytes (left panel) and mononuclear cells (right panel). BALB/c whole blood was stained with Mouse P-Selectin - IgG Fusion Protein followed by R-PE-conjugated goat anti-human IgG, Fcγ fragment specific (Jackson ImmunoResearch, open histogram) or with the second-step alone (filled histogram). Erythrocytes were lysed (BD Pharm Lyse™ lysis buffer, Cat. No. 555899), non-viable leukocytes were excluded by staining with 7-AAD (BD Via-Probe™ cell viability dye, Cat. No. 555815/555816), and granulocytes and mononuclear cells were gated according to their light-scatter profiles. Flow cytometry was performed on a BD FACScan™ flow cytometry system.
Purification:	Purified

Target Details

Target:	P-Selectin (SELP)
Alternative Name:	P-Selectin (SELP Products)

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	BD Pharmingen™ Purified Mouse P-Selectin - IgG Fusion Protein - Purified - Clone NA - Reactivity Ms
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	Aqueous buffered solution containing ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. Avoid multiple freeze-thaws of product. The fusion protein solution should be stored at -20°C until the vial is opened. After opening, undiluted aliquots should be stored at -20°C or below. Thawed aliquots may be stored up to two months at 4°C.

Publications

Product cited in:	Katakai, Mori, Masuda, Shimizu: "Selective accumulation of type 1 effector cells expressing P-selectin ligand and/or alpha(4)beta(7)-integrin at the lesions of autoimmune gastritis." in: International immunology , Vol. 14, Issue 2, pp. 167-75, (2002) (PubMed).
	Austrup, Vestweber, Borges, Löhning, Bräuer, Herz, Renz, Hallmann, Scheffold, Radbruch, Hamann: "P- and E-selectin mediate recruitment of T-helper-1 but not T-helper-2 cells into inflamed tissues." in: Nature , Vol. 385, Issue 6611, pp. 81-3, (1997) (PubMed).
	Lenter, Levinovitz, Isenmann, Vestweber: "Monospecific and common glycoprotein ligands for E- and P-selectin on myeloid cells." in: The Journal of cell biology , Vol. 125, Issue 2, pp. 471-81,

(1994) ([PubMed](#)).

Hahne, Jäger, Isenmann, Hallmann, Vestweber: "Five tumor necrosis factor-inducible cell adhesion mechanisms on the surface of mouse endothelioma cells mediate the binding of leukocytes." in: **The Journal of cell biology**, Vol. 121, Issue 3, pp. 655-64, (1993) ([PubMed](#)).