

Product Specification Sheet

Mouse Anti-Human CD62P (P-selectin)

Cat# CD62PF-100	Mouse Anti-Human CD62P IgG-FITC Conjugate	Size	100 tests
Cat# CD62PF-25	Mouse Anti-Human CD62P IgG-FITC Conjugate	Size	25 tests

Antigen: CD62P
 Antibody Host/type: Mouse, IgG1k
 Product Forms: Purified, FITC conjugation.
 Reactivity: Human, Chimp Cross-
 Reactivity*: other species not tested
 Distribution: Activated platelets, megakaryocytes,
 endothelial cells
 Function: Adhesion, neutrophil rolling,
 platelet-neutrophil and platelet-monocyte interactions
 Ligand Receptor: CD162 (PSGL-1), CD24 and
 sialylated Lewis x

CD62P (P-selectin, GMP-140, PADGEM) is a 140 kD type I transmembrane glycoprotein also known as P-Selectin, platelet activation-dependent granule membrane protein (PADGEM), or GMP-140. It is expressed on activated platelets, megakaryocytes, and endothelial cells. CD62 is primarily stored in secretory α -granules in platelets and Weibel-Palade bodies in endothelial cells and is rapidly relocated to the plasma membrane upon activation. The ligands for CD62P are CD162 and CD24. A primary function of CD62P is cell adhesion during neutrophil rolling, platelet-neutrophil, and platelet-monocyte interactions

Antibody 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.

PREPARATION

The monoclonal antibody (IgG1 isotype) is purified from ascites by protein G affinity chromatography and conjugated to FITC. It is supplied in PBS, pH 7.4, 0.1% BSA, and 0.05% azide. Store at 2-4°C.

USAGE

The purified reagent is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis.

Suggested Isotype Matching Control

Catalog#	ProdDescription
20102-101	Mouse IgG1 isotype control, purified
20102-101-1	Mouse IgG1 isotype control, purified
20102-101-APC	Mouse IgG1-APC conj (isotype control)
20102-101-B	Mouse IgG1-Biotin conj (isotype control)
20102-101-F	Mouse IgG1-FITC conj (isotype control)
20102-101-FP	Mouse IgG1-FITC-PE conj (isotype control)
20102-101-HP	Mouse IgG1-HRP conj (isotype control)
20102-101-PC5	Mouse IgG1-PE-Cy5 conj (isotype control)
20102-101-PE	Mouse IgG1-PE conjugate (isotype control)

WORKING DILUTIONS

Flow Cytometry: Purified (UNLB) antibody \leq 1-2 μ g/10⁶ cells
 Fluorescein conjugate ~20 μ L/10⁶ cells
 BIOT conjugate 10-20 μ L/10⁶ cells
 R-phycoerythrin conjugate ~20 μ L/10⁶ cells
 Allophycocyanin 10-20 μ L/10⁶ cells

STORAGE

For purified forms, long term storage at -20°C
 For conjugated forms, storage at 4°C, should not be frozen and avoid prolonged exposure to light.

REFERENCES

Gearing, A.J.H.,(1993). *Immunol. Today* 14:506; Tedder, T.F (1995) *FASEB J.* 9:866

Related Items

Catalog#	ProdDescription
CD62E-25	Anti-Human CD62E-FITC conjugate
CD62EP-25	Anti-Human CD62E-PE conjugate
CD62EPC-25	Anti-Human CD62E-PE-Cy5-conjugate
CD62LF-25	Anti-Human CD62L-FITC conjugate
CD62LP-25	Anti-Human CD62L-PE conjugate
CD62LPC-25	Anti-Human CD62L-PE-Cy5-conjugate
CD62LUL-100	Anti-Human CD62L, Unlabeled
CD62PF-100	Anti-Human CD62P (P-Selectin)-FITC
CD62PF-25	Anti-Human CD62P (P-Selectin)-FITC
CD62PP-100	Anti-Human CD62P (P-Selectin)-PE conjugate
CD62PP-25	Anti-Human CD62P (P-Selectin)-PE conjugate
CD62PPC-100	Anti-Human CD62P (P-Selectin)-PE-Cy5-
CD62PPC-25	Anti-Human CD62P (P-Selectin)-PE-Cy5-
CD62PUL-100	Anti-Human CD62P (P-Selectin), Unlabeled

CD62PF-100