

## Anti-Hu CD62P Purified SELP Monoclonal Antibody

Catalog Number: M01241-1

### About SELP

CD62P (P-selectin) is an adhesion glycoprotein that is expressed on platelets and endothelial cells upon their activation. Interaction between CD62P and its mucin-like ligand PSGL-1 (P-selectin glycoprotein ligand-1) expressed on the microvilli of most leukocytes supports leukocyte rolling along postkapillary venules at the earliest time of inflammation. Both CD62P and PSGL-1 are extended glycoproteins that form homodimers. CD62P dimerization is probably mediated through interactions of the transmembrane domains and stabilizes leukocyte tethering and rolling, probably by increasing rebinding within a bond cluster.

### Overview

Product Name	Anti-Hu CD62P Purified SELP Monoclonal Antibody
Reactive Species	Human, Primate
Description	Boster Bio Anti-Hu CD62P Purified SELP Monoclonal Antibody (Catalog# M01241-1). Tested in Flow Cytometry, IP, WB, ICC application(s). This antibody reacts with Human, Primate.
Application	Flow Cytometry, IP, ICC, WB
Clonality	Monoclonal AK4
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P16109

### Technical Details

Immunogen	Human platelets. The antibody AK4 recognizes an extracellular epitope of CD62P (P-selectin), a 140 kD single chain type I transmembrane glycoprotein present in secretory alpha-granules in platelets, in Weibel-Palade bodies in endothelial cells and in megakaryocytes; it is relocated to the plasma membrane upon activation.
Predicted Reactive Species	Primate
Isotype	Mouse IgG1 kappa
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this

kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Flow cytometry: 1.5 ug/ml.

## Anti-Hu CD62P Purified SELP Monoclonal Antibody (M01241-1) Images

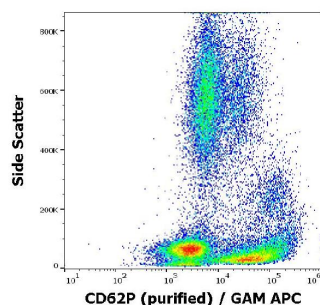


Figure 1. Flow Cytometry validation of SELP using Anti-Hu CD62P Purified SELP Monoclonal Antibody (M01241-1).

Flow cytometry surface staining pattern of human peripheral blood stained using anti-human CD62P (AK4) purified antibody (concentration in sample 1 ug/ml) GAM APC.

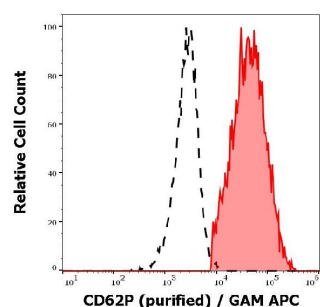


Figure 2. Flow Cytometry validation of SELP using Anti-Hu CD62P Purified SELP Monoclonal Antibody (M01241-1).

Separation of human thrombocytes (red-filled) from CD62P negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD62P (AK4) purified antibody (concentration in sample 1 ug/ml) GAM APC.

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