

**Catalog#**      **CD62PUL-100**   **Size**    **100 ug**

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**Mouse Anti-Human CD62P**

**PRODUCT INFORMATION**

**CLONE:**                    HI62P  
**ISOTYPE:**                Mouse IgG1  
**Product Forms:** Purified, FITC conjugation, PE conjugation.

**DESCRIPTION**

CD62P McAb recognizes a 140KD long single chain type I transmembrane glycoprotein, P-selectin, also called Granule membrane protein-140 (GMP-140) or platelet activation dependent granule-external membrane protein (PADGEM). CD62P antigen is present in the  $\alpha$ -granules of platelets and in Weibel-palade bodies of endothelial cells, and is rapidly mobilized from storage granules to the cell surface after cell activation. So, CD62P is expressed on the surface of the activated platelets. Interaction of CD62P with PSGL-1 (CD162) mediates tethering and rolling of leucocytes on the surface of activated endothelial cells, the first step in leucocyte extravasation and migration towards sites of inflammation. CD62P also mediates rolling of platelets on endothelial cells and CD62P-mediated interactions are also involved in platelet-mediated delivery of lymphocytes to high endothelial venules (HEV).

**PREPARATION**

The monoclonal antibody is purified from ascites by protein G affinity chromatography and is conjugated with FITC, R-PE under optimum conditions.

**USAGE**

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

The conjugated reagent (FITC, R-PE) is tested for flow cytometric analysis using 20 $\mu$ l/10<sup>6</sup> cells or 100 $\mu$ l peripheral blood cells.

**STORAGE**

For purified forms, long term storage at -20oC.

For conjugated forms, storage at 4oC, should not be frozen and avoid prolonged exposure to light.

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