

Mouse Anti-CD162 (Selectin P Ligand [PSGL1/1601]: MC0151, MC0151RTU7

Intended Use: For Research Use Only

Description: CD162 glycoprotein functions as a high affinity counter-receptor for the cell adhesion molecules P-, E- and L-selectin expressed on myeloid cells and stimulated T lymphocytes. As such, this protein plays a critical role in leukocyte trafficking during inflammation by tethering of leukocytes to activated platelets or endothelia expressing selectins. This protein requires two post-translational modifications, tyrosine sulfation and the addition of the sialyl Lewis x tetrasaccharide (sLex) to its O-linked glycans, for its high-affinity binding activity. Aberrant expression of this gene and polymorphisms in this gene are associated with defects in the innate and adaptive immune response.

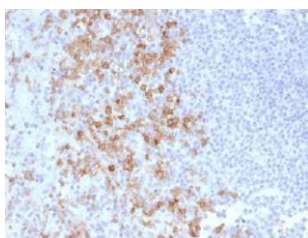
Specifications:

Clone: PSGL1/1601
 Source: Mouse
 Isotype: IgG1
 Reactivity: Human
 Localization: Membrane
 Formulation: Purified antibody in PBS pH7.4, containing < 0.2% BSA and < 0.09% sodium azide (NaN3)
 Storage: Store at 2°- 8°C
 Applications: IHC, Flow Cyt., ICC/IF
 Package:

Description	Catalog No.	Size
CD162 (Selectin P Ligand) Concentrated	MC0151	1 ml
CD162 (Selectin P Ligand) Prediluted	MC0151RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Jurkat cells. Tonsil or spleen
 Concentrated Dilution: 50-100
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual
 * Result should be confirmed by an established diagnostic procedure.



FFPE human spleen stained with anti-CD162 using DAB

References:

1. Relationship of P-selectin glycoprotein ligand-1 to prognosis in patients with multiple myeloma. Atalay F, et al. Clin Lymphoma Myeloma Leuk. Mar;15(3):164-70, 2015.
2. Optimized immunohistochemical panel to differentiate myeloid sarcoma from blastic plasmacytoid dendritic cell neoplasm. Sangle NA, et al. Mod Pathol. Aug;27(8):1137-43, 2014.
3. Interaction of magnetically labeled multipotent mesenchymal stromal cells and E-and P-selectins monitored by magnetic resonance imaging in mice. Peldschus K, et al. Mol Imaging. Mar-Apr;12(2):100-10, 2013.
4. Expression of homing receptors and related molecules on human mast cells and basophils: a comparative analysis using multi-color flow cytometry and toluidine blue/immunofluorescence staining techniques. Wimazal F, et al. Tissue Antigens. Nov;54(5):499-507, 1999.

Doc. 100-MC0151
Rev. A