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DATA SHEET

Mouse Anti-CD162 (Selectin P Ligand) [PSGL1/1601]: MC0459, MC0459RTU7

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:	IgG1k
Reactivity:	Human
Immunogen:	Recombinant human CD162 protein
Localization:	Membrane
Formulation:	Purified antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC

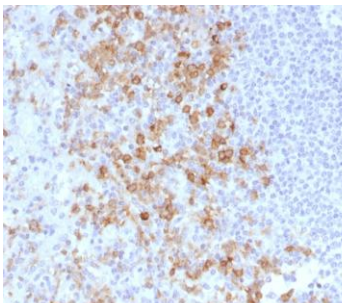
Package:

Description	Catalog No.	Size
CD162 (Selectin P Ligand) Concentrated	MC0459	1 ml
CD162 (Selectin P Ligand) Prediluted	MC0459RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Tonsil, spleen
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes 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.

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