

Product Datasheet

CD68/SR-D1 Antibody (PG-M1) NB600-1250

Unit Size: 0.5 ml

Store at 4C. Do not freeze.

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NB600-1250

CD68/SR-D1 Antibody (PG-M1)

Product Information	
Unit Size	0.5 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	PG-M1
Preservative	Sodium Azide
Isotype	IgG3 Kappa
Purity	Tissue culture supernatant
Buffer	Tissue culture supernatant
Product Description	
Host	Mouse
Gene ID	968
Gene Symbol	CD68
Species	Human
Marker	Macrophage Marker
Specificity/Sensitivity	This antibody reacts with a glycoprotein of 110 kDa, expressed as an intracytoplasmic molecule. It stains macrophages in a wide variety of tissues. Myeloid precursor cells and peripheral granulocytes are negative. The PG-M1 differs from EMB11 (CD68) because of its non-reactivity with granulocytes and their precursor cells.
Immunogen	BALB/C mice were injected with Gaucher cells
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:40
Application Notes	IHC: This antibody may be diluted to a titer of 1:10-1:40 in an ABC method. Staining Protocol: We suggest an incubation period of 30-60 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation conditions and antibody dilutions should be determined by the user. Enzymatic antigen retrieval is recommended for paraffin embedded sections. Not recommended for frozen sections. Use in Western blot reported in scientific literature (PMID 27871059).



Publications

Cheng F, Twardowski L, Fehr S et al. Selective p38alpha MAP kinase/MAPK14 inhibition in enzymatically-modified LDL-stimulated human monocytes: implications for atherosclerosis. *FASEB J.* 2016-11-08 [PMID: 27871059] (WB)

Brescia Annemarie C, Simonds Megan M, McCahan Suzanne M et al. The role of transforming growth factor beta signaling in fibroblast-like synoviocytes from patients with oligoarticular juvenile idiopathic arthritis: dysregulation of transforming growth factor beta signaling, including overexpression of bone morphogenetic protein 4, may lead to a chondrocyte phenotype and may contribute to bony hypertrophy. *Arthritis Rheumatol.* 2014-05-01 [PMID: 24782191] (Human)

Unruh D, Turner K, Srinivasan R et al. Alternatively spliced tissue factor contributes to tumor spread and activation of coagulation in pancreatic ductal adenocarcinoma. *Int. J. Cancer.* 2014-01-01 [PMID: 23754313] (IHC-P, Human)

Details:

IHC-P, Fig 1. The Common Cancer TMA (NBP2-30263) was stained for CD68 expression using CD68 mAb, clone PG-M1 (NB600-1250). Commercial tissue microarrays (TMA) were purchased from Imgenex Corporation (San Diego, CA)...To assess whether asTF protein is detected

Brescia AC, Simonds MM, McCahan SM et al. The role of TGFB signaling in fibroblast-like synoviocytes from oligoarticular juvenile idiopathic arthritis. *Arthritis Rheum* 2013-12-24 [PMID: 24375380] (ICC/IF, Human)

Tomaszewska JM, Miskowiak B, Matthews-Brzozowska T et al. Characteristics of dental pulp in human upper first premolar teeth based on immunohistochemical and morphometric examinations. *Folia Histochem Cytobiol.* 2013-08-05 [PMID: 23907945] (IHC-P, Human)

Ong S-M, Tan Y-C, Beretta O et al. Macrophages in Human Colorectal Cancer are Pro-inflammatory and Prime T cells towards an Anti-Tumour Type-1 Inflammatory Response. *Eur J Immunol.* 2011-10-18 [PMID: 22009685]





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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