

Mouse CD68 Monoclonal Antibody | anti-CD68 antibody

CD68 (Macrophage Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62661	Mouse	Human, Monkey, Cat	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

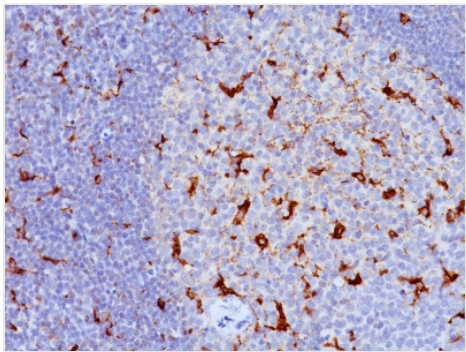
PRODUCT SYNONYMS

CD68; Monoclonal Antibody; CD68 (Macrophage Marker) Mouse Monoclonal Antibody; GP110; LAMP4; Microsialin; Macrosialin; SCARD1; Scavenger Receptor Class D Member-1; anti-CD68 antibody

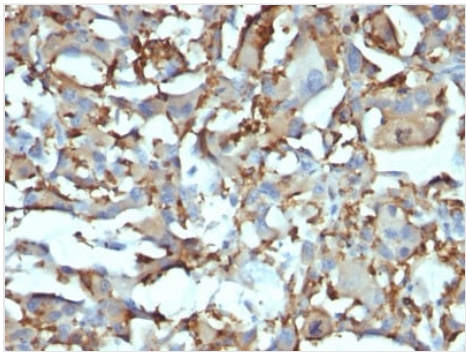
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Monkey, Cat
Clonality	Monoclonal
Isotype	IgG
Clone Number	KP1 + C68/684
Specificity	This antibody recognizes a glycoprotein of 110kDa, which is identified as CD68. It is important for identifying macrophages in tissue sections. It stains macrophages in a wide variety of human tissues, including Kupffer cells and macrophages in the red pulp of the spleen, in lamina propria of the gut, in lung alveoli, and in bone marrow. It reacts with myeloid precursors and peripheral blood granulocytes. It also reacts with plasmacytoid T cells, which are supposed to be of monocyte/macrophage origin. It shows strong granular cytoplasmic staining of chronic and acute myeloid leukemia and also reacts with rare cases of true histiocytic neoplasia. Lymphomas are negative or show few granules.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	327
Applicable Applications for anti-CD68 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cytoplasmic
Immunogen	Subcellular fraction of human alveolar macrophages (KP1); Recombinant human CD68 protein (C68/684)
Hu-Chromosome Location	17p13.1
Positive Control	Tonsil, Lymph Node or Spleen
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with CD68 Monoclonal Antibody (KP1 + C68/684).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Histiocytoma stained with CD68 Monoclonal Antibody (KP1 + C68/684).

ADDITIONAL INFORMATION

References	Pulford KA et. al. Journal of Clinical Pathology, 1989, 42(4):414-21. Warnke RA et. al. Am J of Pathol, 1989, 135:1089-95.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	91199550
NCBI GeneID	968
NCBI Accession #	NP_001035148.1
NCBI GenBank Nucleotide #	NM_001040059.1
UniProt Accession #	P34810; Q53HR6; Q53XI3; Q96BI7; B4DVT4
Molecular Weight	110kDa
NCBI Official Full Name	macrosialin isoform B
NCBI Official Synonym Full Names	CD68 molecule
NCBI Official Symbol	CD68
NCBI Official Synonym Symbols	GP110; LAMP4; SCARD1
NCBI Protein Information	macrosialin
UniProt Protein Name	Macrosialin
UniProt Gene Name	CD68
UniProt Entry Name	CD68_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd68-antibody-clone-kp1-c68-684-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62661>