

Mouse CD68 Monoclonal Antibody | anti-CD68 antibody

CD68 Monoclonal Antibody (6F3)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320416	Mouse	Human, Mouse, Rat	Immunocytochemistry, Immunofluorescence, Immunohistochemistry

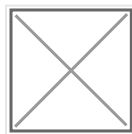
PRODUCT SYNONYMS

CD68; Monoclonal Antibody; CD68 Monoclonal Antibody (6F3); Macrosialin; Gp110; anti-CD68 antibody

PRODUCT SPECIFICATIONS

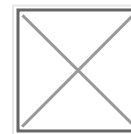
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	6F3
Specificity	The antibody detects endogenous CD68 proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Form/Format	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Applicable Applications for anti-CD68 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	Synthetic Peptide of CD68
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



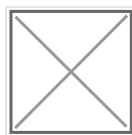
IF (Immunofluorescence)

Immunofluorescence analysis of Mouse-spleen tissue. 1.CD68 Monoclonal Antibody(6F3)(red) was diluted at 1:200(4 degree C.overnight). 2. Cy3 labeled Secondary antibody was diluted at 1:300(room temperature. 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



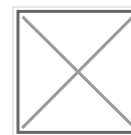
IF (Immunofluorescence)

Immunofluorescence analysis of Human-lung-cancer tissue. 1.CD68 Monoclonal Antibody(6F3)(red) was diluted at 1:200(4 degree C.overnight). 2. Cy3 labeled Secondary antibody was diluted at 1:300(room temperature. 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Mouse-liver tissue. 1.CD68 Monoclonal Antibody(6F3) was diluted at 1:200(4 degree C.overnight). 2. Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C.20min). 3.Secondary antibody was diluted at 1:200(room temperature. 30min). Negative control was used by secondary antibody only.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human-Tonsil tissue. 1.CD68 Monoclonal Antibody(6F3) was diluted at 1:200(4 degree C.overnight). 2. Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C.20min). 3.Secondary antibody was diluted at 1:200(room temperature. 30min). Negative control was used by secondary antibody only.



IHC (Immunohistochemistry)
IHC staining of human tonsil tissue. diluted at 1:200.

ADDITIONAL INFORMATION

Related Product Information for anti-CD68 antibody	This gene encodes a 110-kD transmembrane glycoprotein that is highly expressed by human monocytes and tissue macrophages. It is a member of the lysosomal/endosomal-associated membrane glycoprotein (LAMP) family. The protein primarily localizes to lysosomes and endosomes with a smaller fraction circulating to the cell surface. It is a type I integral membrane protein with a heavily glycosylated extracellular domain and binds to tissue- and organ-specific lectins or selectins. The protein is also a member of the scavenger receptor family. Scavenger receptors typically function to clear cellular debris, promote phagocytosis, and mediate the recruitment and activation of macrophages. Alternative splicing results in multiple transcripts encoding different isoforms. [provided by RefSeq, Jul 2008]
Product Categories/Family for anti-CD68 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	298665
NCBI GeneID	968
UniProt Accession #	P34810; Q53HR6; Q53XI3; Q96BI7; B4DVT4
Molecular Weight	37,408 Da
NCBI Official Full Name	CD68
NCBI Official Synonym Full Names	CD68 molecule
NCBI Official Symbol	CD68
NCBI Official Synonym Symbols	GP110; LAMP4; SCARD1
NCBI Protein Information	macrosialin; CD68 antigen; macrophage antigen CD68; scavenger receptor class D, member 1
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-6f3-immunocytochemistry-immunofluorescence-immunohistochemistry-elisa/320416>