CD68 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD68, Polyclonal Antibody
Full Product Name	CD68 Antibody FITC Conjugated
Product Gene Name	anti-CD68 antibody
Product Synonym Names	Lamp4; gp11; Scard1; Macrosialin; CD68
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	10mM Tris Buffered Saline containing 1% BSA, 50% glycerol and 0.09% sodium azide.
Purity/Purification	Purified by Protein A
Concentration	1mgml (lot specific)
Preparation and Storage	Store at 4 degree C for 12 months.
Molecular Weight	33,844 Da
3D Structure	ModBase 3D Structure for P31996
Conjugation	FITC
Excitation Emission	494nm 518nm
Immunogen	KLH conjugated synthetic peptide aa 20-70 335 derived from mouse CD68
Product Categories/Family for anti-CD68 antibody	Conjugated Primary Antibodies
Applications Tested/Suitable for anti-CD68 antibody	Immunofluorescence (IF)
Application Notes for anti-CD68 antibody	IF: 1:50-200
Related Product Information for anti-CD68 antibody	Could play a role in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions. Binds to tissue- and organ-specific lectins or selectins, allowing homing of macrophage subsets to particular sites. Rapid recirculation of CD68 from endosomes and lysosomes to the plasma membrane may allow macrophages to crawl over selectin-bearing substrates or other cells.
Other Notes	Small volumes of anti-CD68 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD68 purchase	MBS9459977 is an antibody targeting CD68. Also known as CD68 Antibody FITC Conjugated. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD68. It may not necessarily be applicable to this product.

NCBI GI #	399215

NCBI GeneID	12514
NCBI Accession #	P31996.1
UniProt Primary Accession #	P31996
UniProt Secondary Accession #	O54688; O70321; Q3S4A9; Q5F2A8; Q9DD15
UniProt Related Accession #	P31996
NCBI Official Full Name	Macrosialin
NCBI Official Synonym Full Names	CD68 antigen
NCBI Official Symbol	Cd68
NCBI Official Synonym Symbols	Lamp4; gp110; Scard1
UniProt Protein Name	Macrosialin
UniProt Synonym Protein Names	CD_antigen: CD68
Protein Family	Macrosialin
UniProt Gene Name	Cd68
UniProt Entry Name	CD68_MOUSE
NCBI Protein Information	macrosialin
UniProt Comments for CD68	CD68: Could play a role in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions. Binds to tissue- and organ-specific lectins or selectins, allowing homing of macrophage subsets to particular sites. Rapid recirculation of CD68 from endosomes and lysosomes to the plasma membrane may allow macrophages to crawl over selectin-bearing substrates or other cells. Belongs to the LAMP family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cell surface; Membrane protein, integral Cellular Component: membrane; lysosome; integral to membrane; plasma membrane; endosome
Research Articles on CD68	**1.** Statins promote the beneficial remodeling of plaques in diseased mouse arteries through the stimulation of the CCR7 / CD68 emigration pathway in macrophages
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