Rabbit CD68 Polyclonal Antibody | anti-CD68 antibody

CD68 Antibody

CATALOG #	HOST	APPLICATIONS
AAA225763	**Rabbit**	**Immunohistochemistry, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

CD68; Polyclonal Antibody; CD68 Antibody; Affinity Purified Rabbit Polyclonal CD68 Antibody; Polyclonal CD68 antibody; Anti-CD68 antibody; CD68 antigen antibody; Macrophage antigen CD68 antibody; Macrosialin antibody; CD 68 antibody; CD-68 antibody; SCARD1 antibody; GP110 antibody; CD 68; CD-68; Scavenger receptor class D member 1 antibody; anti-CD68 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Specificity	Mouse, Rat
Purity/Purification	Affinity Chromatography
Form/Format	Lyophilized Form
Sequence Length	354
Applicable Applications for anti-CD68 antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	CD68 antibody was raised in Rabbit using a synthetic peptide corresponding to a sequence in the middle region of Mouse CD68, different from the related rat sequence by one amino acid, as the immunogen
Post-Translational Modifications	CD68 is N- and O-glycosylated. Glycosylation occurs at Asn88, Asn96, Asn118, Asn126, Asn164, Asn199, Asn246, Asn261 and Asn279.
Expression	CD68 is highly expressed by blood monocytes and tissue macrophages. It is also expressed in lymphocytes, fibroblasts and endothelial cells. CD268 is located in the Lysosome membrane and the cellular membrane of most mammalian cells.
Preparation and Storage	Store at 4 degree C for short term storage. For long term storage aliquot and store at -20 degree C. Avoid repeated freeze/thaw cycles.

IMAGES

WB (Western Blot)
Lane 1: Rat Spleen Tissue Lysate; Lane 2: Rat Lung Tissue Lysate

IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded section of Rat Liver Tissue

IS (Immunostaining)

ADDITIONAL INFORMATION

Related Product Information for anti-CD68 antibody	Description: CD68 belongs to the LAMP family of proteins. It is composed of 354 amino acids with a molecular weight of 37408 Da. There is a Macrosialin chain at amino acids 22 - 354 and a Mucin-like region at aa 23 - 140. Biological Significance: CD68 is a glycoprotein which binds to low density lipoprotein. It could play a role in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions. CD68 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. Implications In Disease: CD68 expression in many tumor cell lines could allow tumors to attach to selectins on vascular endothelium, facilitating their dissemination to secondary sites. The presence of CD68 in macrophages also makes it useful in identifying conditions related to proliferation or abnormality of these cells, such as malignant histiocytosis, histiocytic lymphoma, and Gaucher's disease.
Product Categories/Family for anti-CD68 antibody	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	298665
NCBI GeneID	968
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

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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