

Rabbit anti-Human CD68 Polyclonal Antibody | anti-CD68 antibody

Anti-CD68 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45505	Rabbit	Human	Immunohistochemistry, Western Blot

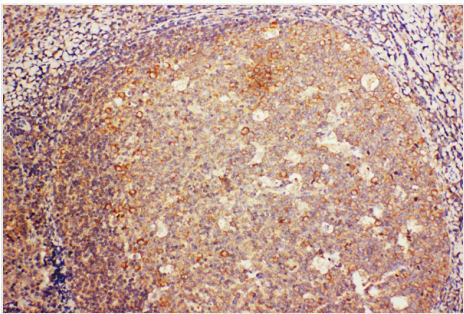
PRODUCT SYNONYMS

CD68; Polyclonal Antibody; Anti-CD68 antibody; Macrosialin; CD68 molecule; CD 68 antibody; CD68 antibody; CD68 antigen antibody; CD68 molecule antibody; CD68_HUMAN antibody; DKFZp686M18236 antibody; GP110 antibody; LAMP4 antibody; Macrophage antigen CD68(microsialin) antibody; MACROPHAGE ANTIGEN CD68 antibody; macrosialin antibody; SCARD1 antibody; Scavenger receptor class D member 1 antibody; anti-CD68 antibody

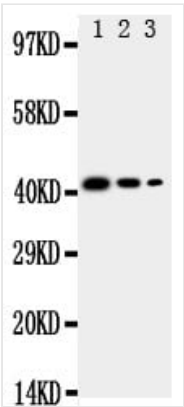
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	354
Applicable Applications for anti-CD68 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CD68 (341-354aa FCIIRRRPSAYQAL).
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-CD68 antibody, AAA45505, IHC(P)IHC(P): Human Tonsil Tissue



WB (Western Blot)
Anti-CD68 antibody, AAA45505, Western blottingRecombinant Protein Detection Source:
E.coli derived -recombinant Human CD68, 42.5KD(162aa tag+ T128-L354)Lane 1:
Recombinant Human CD68 Protein 10ngLane 2: Recombinant Human CD68 Protein 5ngLane
3: Recombinant Human CD68 Protein 2.5ng

ADDITIONAL INFORMATION

Related Product Information for anti-CD68 antibody	Description: Rabbit IgG polyclonal antibody for Macrosialin(CD68) detection. Tested with WB, IHC-P in Human. Background: CD68, cluster of differentiation, is a 110-kD transmembrane glycoprotein that is highly expressed by human monocytes and tissue macrophages. CD68 is a member of a family of hematopoietic mucin-like molecules that includes leukosialin/CD43 and stem cell antigen CD34. The CD68 gene is mapped to 17p13.1. Immunohistochemistry can be used to identify the presence of CD68, which is found in the cytoplasmic granules of a range of different blood cells. It is particularly useful as a marker for the various cells of the macrophage lineage, including monocytes, histiocytes, giant cells, Kupffer cells, and osteoclasts. This allows it to be used to distinguish diseases of otherwise similar appearance, such as the monocyte/macrophage and lymphoid forms of leukaemia(the latter being CD68 negative). Its presence 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	147744552
NCBI GeneID	968
UniProt Accession #	P34810; Q53HR6; Q53XI3; Q96BI7; B4DVT4
Molecular Weight	34,654 Da
NCBI Official Full Name	Macrosialin
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.

