

Mouse anti-Human CD68 Monoclonal Antibody | anti-CD68 antibody

Monoclonal Antibody to CD68 (Clone: ABM53F5)

CATALOG # AAA78265	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD68; Monoclonal Antibody; Monoclonal Antibody to CD68 (Clone: ABM53F5); Macrosialin; Gp110; anti-CD68 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b kappa
Clone Number	ABM53F5
Purity/Purification	Purified Protein G Chromatography
Form/Format	25 ug in 50 ul/100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	354
Applicable Applications for anti-CD68 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry)
Immunogen Information	A partial length recombinant protein (a.a 80-280) of CD68 was used as the immunogen for this antibody.
Antigen	CD68
Conjugate	Unconjugated
Preparation and Storage	Store the antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



WB (Western Blot)

Fig.2: Western blot analysis of CD68. Anti-CD68 antibody (Clone : ABM53F5) was used at 2 ug/ml on human spleen lysate.



FCM/FACS (Flow Cytometry)

Fig.1: Cell surface Flow analysis of hCD68 in human PBMC (Monocytes) cells using 0.5 ?g/ 10⁶ cells. Green represents isotype control ; red represents anti-hCD68 antibody. Goat anti-mouse PE conjugated secondary antibody was used.

ADDITIONAL INFORMATION

Related Product Information for anti-CD68 antibody	CD68 is a transmembrane glycoprotein which acts as a commercialized marker for human monocytes and macrophages. Its expression is thought to be regulated by a macrophage-specific promoter. However, several immunohistochemical studies have indicated that CD68 antibodies also react with other haematopoietic and non-haematopoietic cell types. It also can stain myeloid cells, dendritic cells, fibroblasts, Langerhans cells and others. In human monocytes, which produce high levels of CD68 mRNA, the gene is characterized by intramolecular ligations between the promoter and the 3'intervening region. CD68 is also used as a pan-macrophage marker for TAM (Tumor-Associated Macrophages) which always involve in carcinogenesis.
Product Categories/Family for anti-CD68 antibody	Antibodies; Immunology

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
UniProt Protein Name	Macrosialin
UniProt Gene Name	CD68

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-abm53f5-western-blot-flow-cytometry-elisa/78265>