

Mouse anti-Human CD68 Antibody | anti-CD68 antibody

CD68 (Macrophage Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215314	Mouse	Human	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

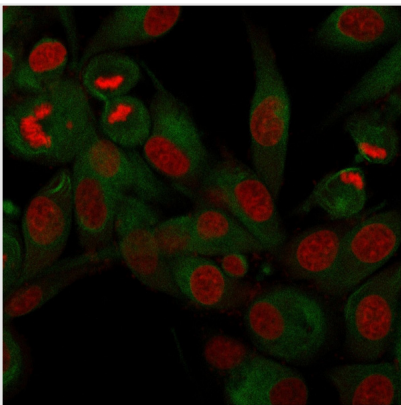
PRODUCT SYNONYMS

CD68; CD68 (Macrophage Marker); GP110; LAMP4; Microsialin; Macrosialin; SCARD1; Scavenger Receptor Class D Member-1; anti-CD68 antibody

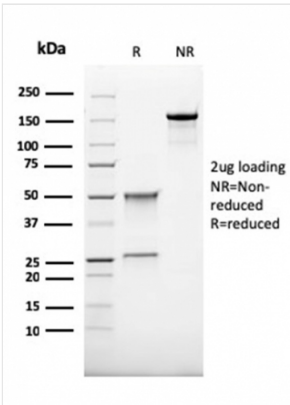
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Isotype	IgG1, kappa
Clone Number	rLAMP4/824
Specificity	This antibody recognizes a glycoprotein of 110kDa, which is identified as CD68. It is important for identifying macrophages in tissue sections. It stains macrophages in a wide variety of human tissues, including Kupffer cells and macrophages in the red pulp of the spleen, in lamina propria of the gut, in lung alveoli, and in bone marrow. It reacts with myeloid precursors and peripheral blood granulocytes. It also reacts with plasmacytoid T cells, which are supposed to be of monocyte/macrophage origin. It shows strong granular cytoplasmic staining of chronic and acute myeloid leukemia and also reacts with rare cases of true histiocytic neoplasia. Lymphomas are negative or show few granules.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	354
Applicable Applications for anti-CD68 antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Positive Control	U87MG, Tonsil, Lymph Node or Spleen.
Immunogen	Recombinant full-length human LAMP4/CD68 protein
Cellular Localization	Cell Surface and Cytoplasmic
Hu-chromosome Location	17p13.1
Antibody Type	Recombinant Mouse Monoclonal Antibody
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

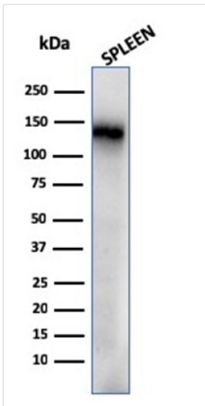
IMAGES



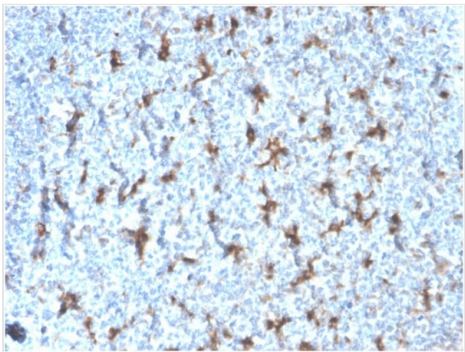
IF (Immunofluorescence)
Immunofluorescence staining of U87MG cells using CD68 Recombinant Mouse Monoclonal Antibody (rLAMP4/824) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Reddot



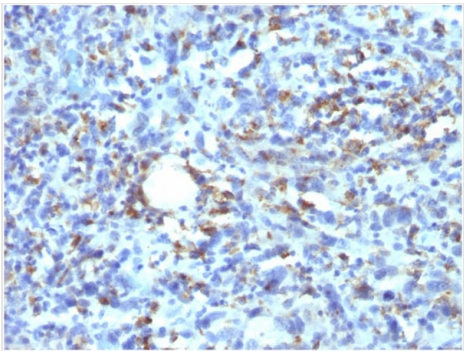
SDS_PAGE
SDS-PAGE Analysis Purified CD68 Recombinant Mouse Monoclonal Antibody (rLAMP4/824). Confirmation of Purity and Integrity of Antibody.



WB (Western Blot)
Western Blot Analysis of human Spleen tissue lysate using CD68 Recombinant Mouse Monoclonal Antibody (rLAMP4/824).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with CD68 Recombinant Mouse Monoclonal Antibody (rLAMP4/824).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Histiocytoma stained with CD68 Recombinant Mouse Monoclonal Antibody (rLAMP4/824).

ADDITIONAL INFORMATION

References	Holness, C.L. and Simmons, D.L. 1993. Blood 81: 1607-1613.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	298665
NCBI GeneID	968

UniProt Accession #	P34810
Molecular Weight	110kDa
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
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/mouse-human-antibody/cd68/215314>