

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

Anti-CD68 Antibody, Rabbit Polyclonal

CATALOG # AAA257315	HOST Rabbit	REACTIVITY Rat	APPLICATIONS Immunohistochemistry, ELISA
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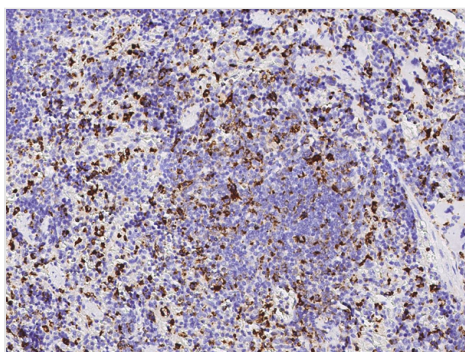
PRODUCT SYNONYMS

CD68; Polyclonal Antibody; Anti-CD68 Antibody; Rabbit Polyclonal; CD68 Antibody; Rabbit PAb; Antigen Affinity Purified; CD68 molecule; anti-CD68 antibody

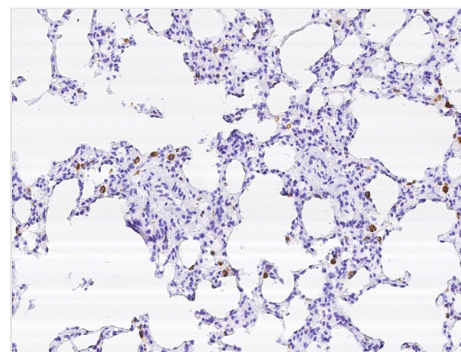
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rat CD68
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CD68 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Rat CD68 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Rat CD68. CD68 specific IgG was purified by Rat CD68 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

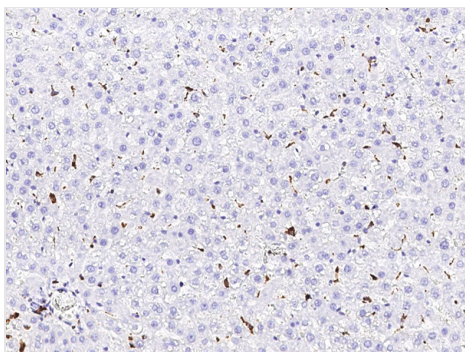
IMAGES


IHC (Immunohistochemistry)

Immunochemical staining of rat CD68 in rat spleen with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections).


IHC (Immunohistochemistry)

Immunochemical staining of rat CD68 in rat lung with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of rat CD68 in rat liver with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-CD68 antibody

Macrosialin, also known as CD68 and Gp11, is a single-pass type I membrane protein which belongs to the LAMP family. CD68 is highly expressed by blood monocytes and tissue macrophages. It is also expressed in lymphocytes, fibroblasts and endothelial cells. CD68 is expressed in many tumor cell lines which could allow them to attach to selectins on vascular endothelium, facilitating their dissemination to secondary sites. CD68 plays a role in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions. It is a commonly used marker for macrophages. However, a number of studies have shown that CD68 antibodies react with other hematopoietic and non-hematopoietic cell types, suggesting that CD68 may not be a macrophage-specific antigen. 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.

References

Strobl H. et al., 1995, Br J Haematol. 90 (4): 774-82. Ogawa Y. et al., 1995, Pathol Int. 45 (9): 698-701. Sadovnikova E. et al., 2002, Leukemia. 16 (10): 2019-26. Gottfried E. et al., 2008, Scand J Immunol. 67 (5): 453-63. Strojnik T. et al., 2009, Anticancer Res. 29 (8): 3269-79.

NCBI AND UNIPROT INFORMATION

NCBI GI #	72255507
NCBI GeneID	287435
NCBI Accession #	NP_001026808.1
NCBI GenBank Nucleotide #	NM_001031638.1
UniProt Accession #	Q4FZY1
NCBI Official Full Name	macrosialin
NCBI Official Synonym Full Names	Cd68 molecule
NCBI Official Symbol	Cd68
NCBI Protein Information	macrosialin; CD68 antigen
UniProt Protein Name	Cd68 molecule
UniProt Gene Name	Cd68
UniProt Entry Name	Q4FZY1_RAT

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/cd68-antibody-immunohistochemistry-elisa/257315>