

Mouse anti-Human CD47 Monoclonal Antibody | anti-CD47 antibody

CD47 Antibody, Mouse MAb

CATALOG # AAA258636	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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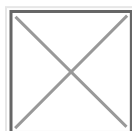
PRODUCT SYNONYMS

CD47; Monoclonal Antibody; CD47 Antibody; Mouse MAb; Anti-IAP Antibody; Anti-MER6 Antibody; Anti-OA3 Antibody; anti-CD47 antibody

PRODUCT SPECIFICATIONS

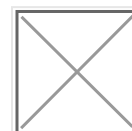
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Clone Number	24
Specificity	Human CD47
Applicable Applications for anti-CD47 antibody	IHC (Immunohistochemistry)
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human CD47 (rh CD47;NP_942088.1; Met1-Pro139). The IgG fraction of the cell culture supernatant was purified by Protein A 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 to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical staining of human CD47 in human tonsil with mouse monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunohistochemical staining of human CD47 in human lung cancer with mouse monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-CD47 antibody	CD47 contains 1 Ig-like V-type (immunoglobulin-like) domain and is a receptor for the C-terminal cell binding domain of thrombospondin. It may play a role in membrane transport and signal transduction. CD47 is also a membrane protein, which is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. It is very broadly distributed on normal adult tissues, as well as ovarian tumors, being especially abundant in some epithelia and the brain. CD47 may play a role in membrane transport and/or integrin dependent signal transduction. It may prevent premature elimination of red blood cells. It also may be involved in membrane permeability changes induced following virus infection. By acting as an adhesion receptor for THBS1 on platelets, CD47 plays a role in both cell adhesion and in the modulation of integrins. It also plays an important role in memory formation and synaptic plasticity in the hippocampus.
Product Categories/Family for anti-CD47 antibody	immune checkpoint ; Drug Targets ; Bispecific Antibody Target ; ADCC related ; Immunotherapy ; Immune Checkpoint ; Cancer ; Immune checkpoint ; CD molecules ; immune checkpoint

NCBI AND UNIPROT INFORMATION

NCBI GI #	38683836
NCBI GeneID	961
NCBI Accession #	NP_942088.1
NCBI GenBank Nucleotide #	NM_198793.2
Molecular Weight	33,845 Da
NCBI Official Full Name	leukocyte surface antigen CD47 isoform 2
NCBI Official Synonym Full Names	CD47 molecule
NCBI Official Symbol	CD47
NCBI Official Synonym Symbols	IAP; OA3; MER6
NCBI Protein Information	leukocyte surface antigen CD47; CD47 glycoprotein; Rh-related antigen; integrin associated protein; integrin-associated protein; integrin-associated signal transducer; antigenic surface determinant protein OA3; antigen identified by monoclonal antibody 1D

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/cd47-antibody-clone-24-immunohistochemistry-elisa/258636>