

Mouse CD247 Monoclonal Antibody | anti-CD247 antibody

CD247 antibody

CATALOG # AAA106374	HOST Mouse	APPLICATIONS Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA
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PRODUCT SYNONYMS

CD247; Monoclonal Antibody; CD247 antibody; Monoclonal CD247; Anti-CD247; CD-247; Cluster of Differentiation 247; T-cell surface glycoprotein CD3 zeta chain; CD 247; Cluster of differentiation 247; T-cell receptor T3 zeta chain; anti-CD247 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4B10
Form/Format	Supplied as a liquid in ascitic fluid containing 0.03% sodium azide.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	63
Applicable Applications for anti-CD247 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Biological Significance	CD247, together with T-cell receptor alpha/beta and gamma/delta heterodimers, and with CD3-gamma, -delta and -epsilon, forms the T-cell receptor-CD3 complex. The zeta chain plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Low expression of the antigen results in impaired immune response.
Cross-Reactivity	Human
Immunogen	CD247 antibody was raised in Mouse using a purified recombinant fragment of human CD247 expressed in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of K562 cells using anti-CD247 antibody (green). Blue: DRAQ5 fluorescent DNA dye.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human Thymus tissues using anti-CD247 antibody



WB (Western Blot)

Western Blot showing CD247 antibody used against CD247 (AA: 52-164)-hlgGfC transfected HEK293 cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-CD247 antibody	Mouse monoclonal CD247 antibody
Product Categories/Family for anti-CD247 antibody	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	157956447
NCBI GeneID	919
UniProt Accession #	P20963 ; Q5VX13 ; Q8TAX4 ; B1AK49 ; A46461
Molecular Weight	– Da
NCBI Official Full Name	CD247, partial
NCBI Official Synonym Full Names	CD247 molecule
NCBI Official Symbol	CD247
NCBI Official Synonym Symbols	T3Z; CD3H; CD3Q; CD3Z; TCRZ; IMD25; CD3-ZETA
NCBI Protein Information	T-cell surface glycoprotein CD3 zeta chain
UniProt Protein Name	T-cell surface glycoprotein CD3 zeta chain
UniProt Gene Name	CD247
UniProt Synonym Gene Names	CD3Z; T3Z; TCRZ
UniProt Entry Name	CD3Z_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.

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

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd247-antibody-clone-4b10-western-blot-immunofluorescence-flow-cytometry-elisa/106374>