

Hamster anti-Mouse CD3z Monoclonal Antibody | anti-CD3z antibody

Anti-Mouse CD3z, FITC (Clone H146-968) (hamster IgG)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA74142	Hamster	Mouse	Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

CD3z; Monoclonal Antibody; Anti-Mouse CD3z; FITC (Clone H146-968) (hamster IgG); FITC Anti-Mouse CD3z (CD247) Monoclonal Antibody; anti-CD3z antibody

PRODUCT SPECIFICATIONS

Host	Hamster
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Hamster IgG2k
Clone Number	H146-968
Specificity	CD3z (CD247) (Mouse CD3z (zeta chain); also known as CD247)
Form/Format	FITC (FITC conjugated Ig buffered in PBS, 0.02% NaN ₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml. (Purified from ascitic fluid via Protein G Chromatography))
Concentration	Antibody Concentration: 0.1 mg/ml (varies by lot)
Sequence Length	164
Applicable Applications for anti-CD3z antibody	IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	KLH conjugated mouse zeta-chain (CD3) sequence 151-164
Donor	Armenian hamster
Presentation	100 ug or 300 ug FITC conjugated Ig buffered in PBS, 0.02% NaN ₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.
Preparation and Storage	Stable at 4 degree C. For long term storage, aliquot and freeze unused portions at -20 degree C in volumes appropriate for single usage. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-CD3z antibody	FITC Anti-Mouse CD3z Monoclonal Antibody detects the zeta subunit of the T cell receptor (TCR). The TCR complex consists of a ligand specific alpha/beta heterodimer non-covalently associated with five invariant chains including the CD3 gamma, delta, eta and zeta subunits. This complex regulates assembly and expression of the receptor and is thought to be responsible for transmembrane transduction of signals after binding to TCRalpha/beta. Studies have suggested that the CD3z subunit (also know as CD247) plays an important role in two distinct cellular compartments. In the cytoplasm, it may function to regulate Ag receptor expression and in the plasma membrane it may be required for optimal signaling by the physiologic ligand Ag/MHC. The CD3z subunit is also associated with the CD16 IgG Fc receptor on NK cells. This clone (H146-968) has been reported to work in flow cytometry (in permeabilized cells), Western blotting, and ELISA.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	66841741
-----------	----------

NCBI GeneID	919
UniProt Accession #	P20963; Q5VX13; Q8TAX4; B1AK49; A46461
Molecular Weight	18,696 Da
NCBI Official Full Name	CD3Z antigen, zeta polypeptide (TiT3 complex)
NCBI Official Synonym Full Names	CD247 molecule
NCBI Official Symbol	CD247
NCBI Official Synonym Symbols	T3Z; CD3H; CD3Q; CD3Z; TCRZ; CD3-ZETA
NCBI Protein Information	T-cell surface glycoprotein CD3 zeta chain; CD3zeta chain; TCR zeta chain; CD247 antigen, zeta subunit; T-cell receptor T3 zeta chain; CD3Z antigen, zeta polypeptide (TiT3 complex); T-cell antigen receptor complex, zeta subunit of CD3
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/cd3z-antibody-clone-h146-968-immunofluorescence-immunohistochemistry-elisa/74142>