

Rabbit anti-Human CD3H Monoclonal Antibody | anti-CD247 antibody

CD3H Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282622	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

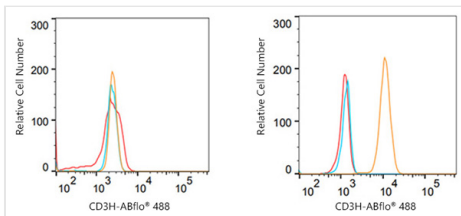
PRODUCT SYNONYMS

CD3H; Monoclonal Antibody; CD3H Rabbit mAb; T3Z; CD3Q; CD3Z; TCRZ; IMD25; CD3ZETA; CD3-ZETA; anti-CD247 antibody

PRODUCT SPECIFICATIONS

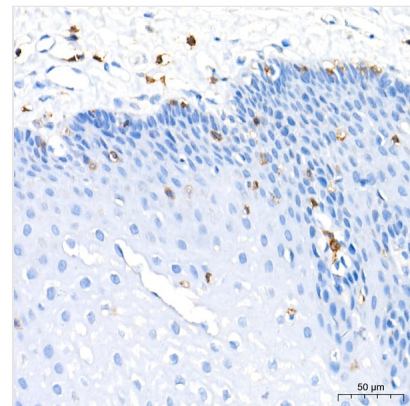
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	QQGQNQLYNE LNLGRREEYD VLDKRRGRDP EMGGKPQRRK NPQEGLYNEL QKDKMAEAYS EIGMKGERRR GKGDHGLYQG LSTATKDTYD ALHMQLPPR
Applicable Applications for anti-CD247 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 65-164 of human CD3H (P20963).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



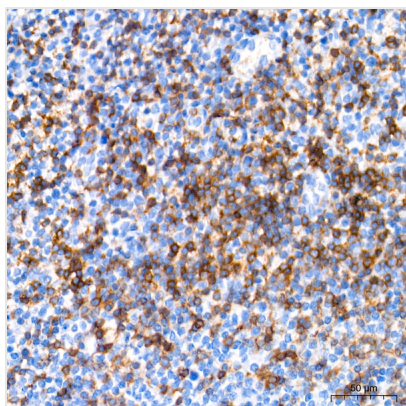
FCM/FACS (Flow Cytometry)

Flow cytometry: 1X10⁶ Raji cells (negative control, left) and Jurkat cells (right) were intracellularly-stained with CD3H Rabbit mAb(AAA282622, 10 ug/mL, orange line) or Rabbit IgG isotype control (AC042, 10 ug/mL, blue line), followed by FITC conjugated goat anti-rabbit pAb(1:200 dilution) staining. Non-fluorescently stained cells were used as blank control (red line).



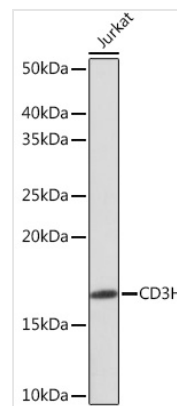
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using CD3H Rabbit mAb (AAA282622) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using CD3H Rabbit mAb (AAA282622) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of lysates from Jurkat cells, using CD3H Rabbit mAb (AAA282622) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 3min.

ADDITIONAL INFORMATION

Related Product Information for anti-CD247 antibody	The protein encoded by this gene is T-cell receptor zeta, which 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. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
Product Categories/Family for anti-CD247 antibody	Immunology Inflammation; CD3; T Cell Receptor Signaling Pathway; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557431
NCBI GeneID	919
NCBI Accession #	NP_000725.1
NCBI GenBank Nucleotide #	NM_000734.3
UniProt Accession #	P20963; Q5VX13; Q8TAX4; B1AK49; A46461
Molecular Weight	Calculated MW: 19kDa Observed MW: 16kDa
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd3h-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/282622>