

Rabbit CD3Z Polyclonal Antibody | anti-CD247 antibody

CD3Z Antibody (N-term)

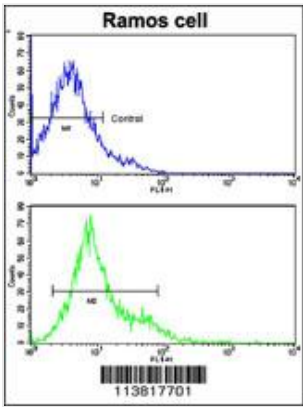
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288630	Rabbit	Human (Predicted Reactivity: Pig)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

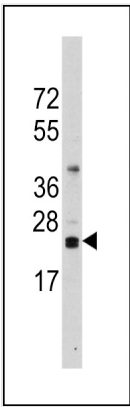
CD3Z; Polyclonal Antibody; CD3Z Antibody (N-term); T-cell surface glycoprotein CD3 zeta chain; T-cell receptor T3 zeta chain; CD247; T3Z; TCRZ; anti-CD247 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Pig)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CD3Z antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-31 amino acids from the N-terminal region of human CD3Z.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	2-31
Sequence Length	163
Applicable Applications for anti-CD247 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Ramos cells using CD3Z Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of anti-CD3Z Antibody (N-term) (RB13817) in Ramos cell line lysates (35ug/lane). CD3Z (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CD247 antibody	T-cell receptor zeta, 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.
Product Categories/Family for anti-CD247 antibody	Immunology; Signal Transduction
References	Miyagawa,H., Rheumatology (Oxford) 47 (2), 158-164 (2008) Gorman,C.L., J. Immunol. 180 (2), 1060-1070 (2008) Eleftheriadis,T., Am. J. Nephrol. 28 (1), 152-157 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557431
NCBI GeneID	919
NCBI Accession #	NP_000725.1; NP_932170.1
NCBI GenBank Nucleotide #	NM_000734.3
UniProt Accession #	P20963; Q5VX13; Q8TAX4; B1AK49; A46461
Molecular Weight	18696
NCBI Official Full Name	T-cell surface glycoprotein CD3 zeta chain isoform 2
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd3z-antibody-flow-cytometry-western-blot-elisa/288630>