

Human CD247 molecule ELISA Kit | CD247 elisa kit

Human T-cell surface glycoprotein CD3 zeta chain, CD247 ELISA Kit

CATALOG #
AAA112702

REACTIVITY
Human

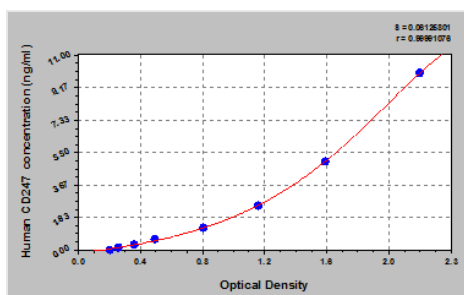
PRODUCT SYNONYMS

CD247 molecule; Human T-cell surface glycoprotein CD3 zeta chain; CD247 ELISA Kit; Human T-cell surface glycoprotein CD3 zeta chain (CD247) ELISA kit; CD3-ZETA; CD3H; CD3Q; CD3Z; T3Z; TCRZ; CD247 antigen; zeta subunit; CD3Z antigen; zeta polypeptide (TiT3 complex) ; T-cell antigen receptor complex; zeta subunit of CD3; T-cell receptor T3 zeta chain; T-; CD247 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human CD247. No significant cross-reactivity or interference between human CD247 and analogues was observed.
Sequence Length	163
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	0.156 ng/ml -10 ng/ml.
Sensitivity	The minimum detectable dose of human CD247 is typically less than 0.039 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD247 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CD247 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CD247 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CD247 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CD247 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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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	18,696 Da
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; 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.