

Human T cell surface glycoprotein CD3 epsilon chain (CD3E) ELISA Kit | CD3E elisa kit

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CATALOG #
AAA246613

REACTIVITY
Human

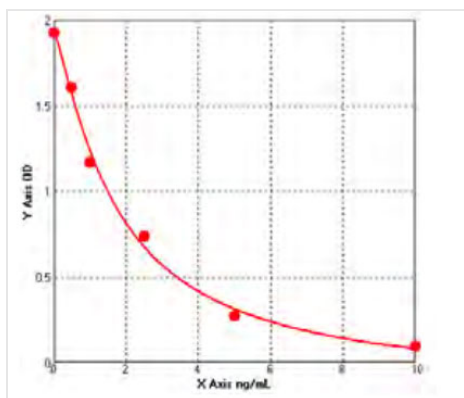
PRODUCT SYNONYMS

T cell surface glycoprotein CD3 epsilon chain (CD3E); Human T cell surface glycoprotein CD3 epsilon chain (CD3E) ELISA Kit; CD3E elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CD3E. No significant cross-reactivity or interference between CD3E and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CD3E and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD3E elisa kit	Principle of the Assay: CD3E ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CD3E antibody and an CD3E-HRP conjugate. The assay sample and buffer are incubated together with CD3E-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CD3E concentration since CD3E from samples and CD3E-HRP conjugate compete for the anti-CD3E antibody binding site. Since the number of sites is limited, as more sites are occupied by CD3E from the sample, fewer sites are left to bind CD3E-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD3E concentration in each sample is interpolated from this standard curve. Intended Uses: This CD3E ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CD3E. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CD3E elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502671
NCBI GeneID	916
NCBI Accession #	NP_000724.1
NCBI GenBank Nucleotide #	NM_000733.3
Molecular Weight	23,147 Da
NCBI Official Full Name	T-cell surface glycoprotein CD3 epsilon chain
NCBI Official Synonym Full Names	CD3e molecule, epsilon (CD3-TCR complex)
NCBI Official Symbol	CD3E
NCBI Official Synonym Symbols	T3E; TCRE; IMD18
NCBI Protein Information	T-cell surface glycoprotein CD3 epsilon chain; CD3-epsilon; T-cell surface antigen T3/Leu-4 epsilon chain; CD3e antigen, epsilon polypeptide (TiT3 complex); T-cell antigen receptor complex, epsilon subunit of T3
UniProt Protein Name	T-cell surface glycoprotein CD3 epsilon chain
UniProt Gene Name	CD3E
UniProt Synonym Gene Names	T3E
UniProt Entry Name	CD3E_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/human-elisa-kits/t-cell-surface-glycoprotein-cd3-epsilon-chain-cd3e/246613>