

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

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CATALOG #
AAA101396

REACTIVITY
Human

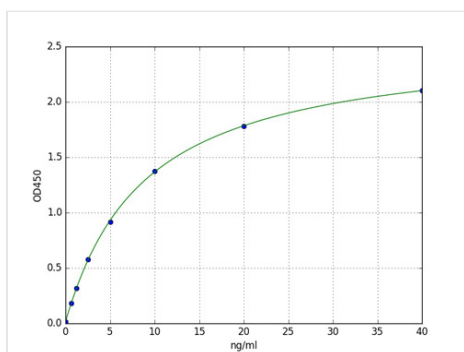
PRODUCT SYNONYMS

T-cell surface glycoprotein CD3 epsilon chain; Human T-cell surface glycoprotein CD3 epsilon chain ELISA Kit; CD3E (T-cell surface glycoprotein CD3 epsilon chain)/CD3e/CD3e antigen/CD3e antigen; epsilon polypeptide (TiT3 complex)/CD3e molecule; epsilon (CD3-TCR complex)/CD3-epsilon/T3E/T-cell antigen receptor complex; epsilon subunit of T3/T-cell surface antigen T3; Leu-4 epsilon chain/TCRE; CD3E elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	207
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.625-40ng/ml
Sensitivity	0.375ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Typical Data & Standard Curve

Results of a typical standard run of a Human CD3E ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.625	1.25	2.5	5	10	20	40
Y	OD450	0.019	0.179	0.302	0.579	0.944	1.420	1.783	2.102

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD3E elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human CD3E antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human CD3E antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human CD3E amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human CD3E can be calculated.

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
NCBI Official Symbol	CD3E
NCBI Official Synonym Symbols	T3E; TCRE; IMD18
NCBI Protein Information	T-cell surface glycoprotein CD3 epsilon chain
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/cd3e-human-elisa-kits/t-cell-surface-glycoprotein-cd3-epsilon-chain/101396>