

Human Cytotoxic T-Lymphocyte Associated Antigen 4 (CTLA4) ELISA Kit | CTLA4 elisa kit

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CATALOG #
AAA137638

REACTIVITY
Human

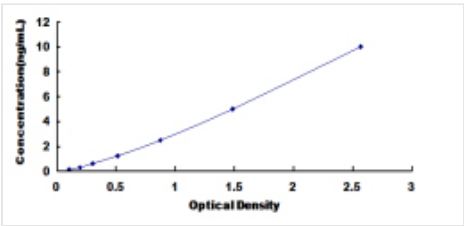
PRODUCT SYNONYMS

Cytotoxic T-Lymphocyte Associated Antigen 4 (CTLA4); Human Cytotoxic T-Lymphocyte Associated Antigen 4 (CTLA4) ELISA Kit; CD152; CELIAC3; CTLA4; GSE; IDDM12; Celiac Disease 3; Cytotoxic T-lymphocyte protein 4; CTLA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Cytotoxic T-Lymphocyte Associated Antigen 4 (CTLA4). No significant cross-reactivity or interference between Cytotoxic T-Lymphocyte Associated Antigen 4 (CTLA4) and analogues was observed.
Sequence Length	223
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Cytotoxic T-Lymphocyte Associated Antigen 4 (CTLA4) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Cytotoxic T-Lymphocyte Associated Antigen 4 (CTLA4) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTLA4 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cytotoxic T-Lymphocyte Associated Antigen 4 (CTLA4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cytotoxic T-Lymphocyte Associated Antigen 4 (CTLA4). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Cytotoxic T-Lymphocyte Associated Antigen 4 (CTLA4), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Cytotoxic T-Lymphocyte Associated Antigen 4 (CTLA4) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CTLA4 elisa kit	Signal transduction; Immune molecule; Autoimmunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	27735177
NCBI GeneID	1493
Molecular Weight	19,145 Da
NCBI Official Full Name	Cytotoxic T-lymphocyte protein 4
NCBI Official Synonym Full Names	cytotoxic T-lymphocyte-associated protein 4
NCBI Official Symbol	CTLA4
NCBI Official Synonym Symbols	CD; GSE; GRD4; ALPS5; CD152; CTLA-4; IDDM12; CELIAC3
NCBI Protein Information	cytotoxic T-lymphocyte protein 4
UniProt Protein Name	Cytotoxic T-lymphocyte protein 4
UniProt Gene Name	CTLA4
UniProt Synonym Gene Names	CD152; CTLA-4
UniProt Entry Name	CTLA4_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.