

Mouse CTLA4 ELISA Kit | CTLA4 elisa kit

Mouse CTLA4 PicoKine ELISA Kit

CATALOG #
AAA45578

REACTIVITY
Mouse

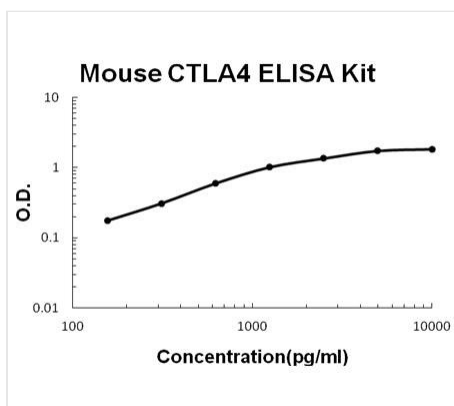
PRODUCT SYNONYMS

CTLA4; Mouse CTLA4 PicoKine ELISA Kit; Cytotoxic T-lymphocyte protein 4; cytotoxic T-lymphocyte-associated protein 4; Activation B7-1 antigen; B7; BB1; CD80; CD80_HUMAN; CTLA-4 counter-receptor B7.1; T-lymphocyte activation antigen CD80; CTLA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse CTLA4
Sequence Length	223
Samples	Cell culture supernates, serum and plasma (heparin)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse CTLA4 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CTLA4 elisa kit	Principle of the assay: mouse CTLA4 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for CTLA4 has been precoated onto 96-well plates. Standards(NSO, A37-F162) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CTLA4 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 mouse CTLA4 amount of sample captured in plate. Background: CTLA-4(Cytotoxic T-Lymphocyte Antigen 4), also known as CD152 (Cluster of differentiation 152), is a protein receptor that down regulates the immune system. CTLA4 is a member of the immunoglobulin superfamily, which is expressed on the surface of Helper T cells and transmits an inhibitory signal to T cells. CTLA4 is similar to the T-cell co-stimulatory protein, CD28, and both molecules bind to CD80 and CD86, also called B7-1 and B7-2 respectively, on antigen-presenting cells. CTLA4 transmits an inhibitory signal to T cells, whereas CD28 transmits a stimulatory signal. Blockade of CTLA4 expression in vitro augmented HIV-specific CD4-positive T-cell function.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	117606
NCBI GeneID	12477
UniProt Accession #	P09793; Q9QZZ7
Molecular Weight	24,993 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	Cd152; Ly-56; Ctla-4
NCBI Protein Information	cytotoxic T-lymphocyte protein 4; CD152 antigen; cytotoxic T-lymphocyte-associated antigen 4
UniProt Protein Name	Cytotoxic T-lymphocyte protein 4
UniProt Gene Name	Ctla4
UniProt Synonym Gene Names	Cd152; CTLA-4
UniProt Entry Name	CTLA4_MOUSE

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.