Bovine Cytotoxic T-Lymphocyte Associated Antigen 4 ELISA Kit | CTLA4 elisa kit

Bovine Cytotoxic T-Lymphocyte Associated Antigen 4 ELISA Kit

CATALOG #	REACTIVITY
AAA95546	**Bovine**

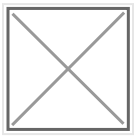
PRODUCT SYNONYMS

Cytotoxic T-Lymphocyte Associated Antigen 4; Bovine Cytotoxic T-Lymphocyte Associated Antigen 4 ELISA Kit; CTLA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This sCTLA4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine sCTLA4. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTLA4 elisa kit	Principle of the assay: sCTLA4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-sCTLA4 antibody and an sCTLA4-HRP conjugate. The assay sample and buffer are incubated together with sCTLA4-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 sCTLA4 concentration since sCTLA4 from samples and sCTLA4-HRP conjugate compete for the anti-sCTLA4 antibody binding site. Since the number of sites is limited, as more sites are occupied by sCTLA4 from the sample, fewer sites are left to bind sCTLA4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The sCTLA4 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CTLA4 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361212
NCBI GeneID	1493

NCBI Accession #	NP_005205.2
NCBI GenBank Nucleotide #	NM_005214.4
Molecular Weight	19,145 Da
NCBI Official Full Name	cytotoxic T-lymphocyte protein 4 isoform CTLA4-TM
NCBI Official Synonym Full Names	cytotoxic T-lymphocyte-associated protein 4
NCBI Official Symbol	CTLA4
NCBI Official Synonym Symbols	CD; GSE; GRD4; CD152; CTLA-4; IDDM12; CELIAC3
NCBI Protein Information	cytotoxic T-lymphocyte protein 4; CD152 isoform; celiac disease 3; cytotoxic T-lymphocyte antigen 4; insulin-dependent diabetes mellitus 12; cytotoxic T-lymphocyte-associated antigen 4; cytotoxic T-lymphocyte-associated serine esterase-4; cytotoxic T lymphocyte associated antigen 4 short spliced form; ligand and transmembrane spliced 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_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/ctla4-bovine-ovine-elisa-kits/cytotoxic-t-lymphocyte-associated-antigen-4/95546