Mouse CD30L ELISA Kit | CD30L elisa kit

CD30L Mouse ELISA Kit

CATALOG #	REACTIVITY	APPLICATIONS
AAA58910	**Mouse**	**ELISA**

PRODUCT SYNONYMS

CD30L; CD30L Mouse ELISA Kit; Mouse CD30L; CD30L elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Assay Type	Sandwich
Detection Range	15.6 pg/ml-1000 pg/ml
Sensitivity	< 6pg/ml
Applicable Applications for CD30L elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD30L elisa kit	**Principle of the Assay:** This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-CD30L polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-CD30L polyclonal 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. Avidin-Biotin-Peroxidase Complex 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 CD30L amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of CD30L can be calculated. **Background:** CD30 ligand (CD30L), also known as CD153, is a cytokine that induces proliferation of T cells. The CD30L gene contains 4 exons and spans more than 17.1 kb. It has the characteristics of a type II membrane protein, with no apparent signal peptide and a transmembrane domain followed by a C-terminal extracellular domain. CD30L is expressed on the surface of B cells and found that this expression is upregulated upon CD154 (CD40L), IL4, and B-cell receptor engagement. Smith et al. (1993) found that recombinant mouse CD30L enhanced the proliferation of CD3-activated T cells, but induced differential responses, including cell death, in several CD30-positive lymphoma-derived cell lines.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2815515

NCBI GeneID	944
UniProt Accession #	P32971; O43404
Molecular Weight	26,017 Da
NCBI Official Full Name	CD30L protein
NCBI Official Synonym Full Names	tumor necrosis factor (ligand) superfamily, member 8
NCBI Official Symbol	TNFSF8
NCBI Official Synonym Symbols	CD153; CD30L; CD30LG
NCBI Protein Information	tumor necrosis factor ligand superfamily member 8; CD30-L; CD30 ligand; CD153 antigen; CD30 antigen ligand
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 8
UniProt Gene Name	**TNFSF8**
UniProt Synonym Gene Names	CD30L; CD30LG; CD30-L
UniProt Entry Name	TNFL8_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/mouse-elisa-kits/cd30l/58910