

Mouse tumor necrosis factor (ligand) superfamily, member 10 ELISA Kit | TNFSF10 elisa kit

Mouse soluble tumor necrosis factor-related apoptosis inducing ligand, sTRAIL ELISA Kit

CATALOG #
AAA79821

REACTIVITY
Mouse

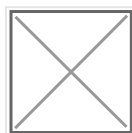
PRODUCT SYNONYMS

tumor necrosis factor (ligand) superfamily, member 10; Mouse soluble tumor necrosis factor-related apoptosis inducing ligand; sTRAIL ELISA Kit; sTRAIL ELISA KIT; APO2L; Apo-2L; CD253; TL2; TRAIL; Apo-2 ligand; TNF-related apoptosis inducing ligand TRAIL; tumor necrosis factor (ligand) family; tumor necrosis factor apoptosis-inducing ligand splice var; TNFSF10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse TNFSF10. No significant cross-reactivity or interference between Mouse TNFSF10 and analogues was observed.
Sequence Length	291
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Detection Range	3.12 pg/ml-200 pg/ml
Sensitivity	0.78 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Apoptosis/Autophagy
Protein Biological Process 3	Apoptosis
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNFSF10 elisa kit

Introduction: In the field of cell biology, TNF-related apoptosis-inducing ligand (TRAIL), is a protein which functions as a ligand which induces the process of cell death called apoptosis. TRAIL is a type II membrane protein of the TNF superfamily. Unlike other members of the TNF superfamily that interact with one or two specific receptors, TRAIL can potentially interact with five different receptors. TRAIL can induce apoptosis by interaction with two receptors, referred to as TRAIL-R1 (DR4) and TRAIL-R2 (DR5). These receptors have an intracellular death domain that mediates cellular apoptosis. Two other receptors, known as TRAIL-R3 and TRAIL-R4, inhibit apoptosis by acting as decoy receptors because they do not contain the cytoplasmic death domain. These decoy receptors are highly expressed in normal tissues but have substantially lower expression in malignant cells. Soluble TRAIL is unique in that it frequently induces apoptosis of transformed cells in vitro and in xenograft murine models without causing apoptosis of normal cells. TRAIL induces apoptosis in various human cancer cells, a promising observation because it raises the possibility of a death ligand with selectivity for tumor cells.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to sTRAIL. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for sTRAIL and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain sTRAIL, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of sTRAIL in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6678431
NCBI GeneID	22035
NCBI Accession #	NP_033451.1
NCBI GenBank Nucleotide #	NM_009425.2
UniProt Accession #	P50592
Molecular Weight	33,477 Da
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 10
NCBI Official Synonym Full Names	tumor necrosis factor (ligand) superfamily, member 10
NCBI Official Symbol	Tnfsf10
NCBI Official Synonym Symbols	TL2; Ly81; Trail; APO-2L; AI448571; A330042I21Rik
NCBI Protein Information	tumor necrosis factor ligand superfamily member 10; TRAIL/APO2L; TNF-related apoptosis inducing ligand; TNF-related apoptosis-inducing ligand
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 10
UniProt Gene Name	Tnfsf10
UniProt Synonym Gene Names	Trail; Protein TRAIL
UniProt Entry Name	TNF10_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.

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Online datasheet: <https://stage.aaabiotech.com/tnfsf10-mouse-elisa-kits/tumor-necrosis-factor-ligand-superfamily-member-10/79821>