

Mouse Tumor Necrosis Factor Related Apoptosis Inducing Ligand (TRAIL) ELISA Kit | TRAIL elisa kit

Mouse Tumor Necrosis Factor Related Apoptosis Inducing Ligand (TRAIL) Wide-range ELISA Kit

CATALOG # AAA189155	REACTIVITY Mouse	APPLICATIONS ELISA
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PRODUCT SYNONYMS

Tumor Necrosis Factor Related Apoptosis Inducing Ligand (TRAIL); Mouse Tumor Necrosis Factor Related Apoptosis Inducing Ligand (TRAIL) Wide-range ELISA Kit; Tumor Necrosis Factor Related Apoptosis Inducing Ligand; CD253; TNFSF10; APO2L; Apo2-L; TL2; TRAIL; Tumor Necrosis Factor Ligand Superfamily Member 10; Apo-2 Ligand; TRAIL elisa kit

PRODUCT SPECIFICATIONS

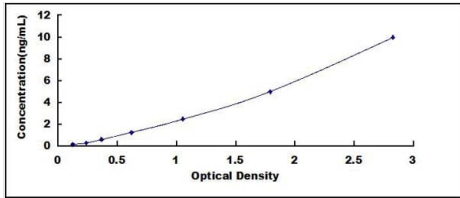
Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Wide-range Tumor Necrosis Factor Related Apoptosis Inducing Ligand (TRAIL). No significant cross-reactivity or interference between Wide-range Tumor Necrosis Factor Related Apoptosis Inducing Ligand (TRAIL) and analogues was observed.
Sequence Length	291
Assay Type	Double-antibody Sandwich
Samples	tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.058ng/mL
Applicable Applications for TRAIL elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Wide-range Tumor Necrosis Factor Related Apoptosis Inducing Ligand (TRAIL) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Wide-range Tumor Necrosis Factor Related Apoptosis Inducing Ligand (TRAIL) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	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 Wide-range Tumor Necrosis Factor Related Apoptosis Inducing Ligand (TRAIL). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Wide-range Tumor Necrosis Factor Related Apoptosis Inducing Ligand (TRAIL). 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 Wide-range Tumor Necrosis Factor Related Apoptosis Inducing Ligand (TRAIL), 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 Wide-range Tumor Necrosis Factor Related Apoptosis Inducing Ligand (TRAIL) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6678431
NCBI GeneID	22035
NCBI Accession #	NP_033451.1
NCBI GenBank Nucleotide #	NP_033451.1
UniProt Accession #	P50592
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; Tnlg6a; AI448571; A330042I21Rik
NCBI Protein Information	tumor necrosis factor ligand superfamily member 10
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/mouse-elisa-kits/tumor-necrosis-factor-related-apoptosis-inducing-ligand-trail/189155>