

Human TRAIL ELISA Kit | TNFSF10 elisa kit

Human TRAIL PicoKine ELISA Kit

CATALOG #
AAA45244

REACTIVITY
Human

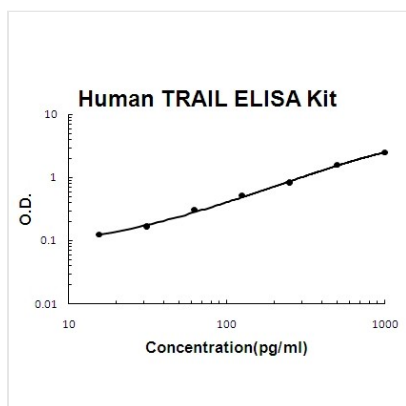
PRODUCT SYNONYMS

TRAIL; Human TRAIL PicoKine ELISA Kit; Tumor necrosis factor ligand superfamily member 10; tumor necrosis factor (ligand) superfamily; member 10; Apo 2 ligand; APO2L; CD253; Protein TRAIL; TL2; TNF related apoptosis inducing ligand; TNFSF10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human TRAIL
Sequence Length	281
Samples	Cell culture supernates, Cell lysates, serum, plasma (heparin, EDTA) and saliva
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	< 1pg/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)

Human TRAIL PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TNFSF10 elisa kit	Principle of the assay: human TRAIL ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for TRAIL has been precoated onto 96-well plates. Standards and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TRAIL 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 human TRAIL amount of sample captured in plate. Background: 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 has also been designated CD253 (cluster of differentiation 253). Tumor necrosis factor (TNF) family cytokines function as prominent mediators of immune regulation and the inflammatory response. Most TNF family cytokines are expressed as type II transmembrane proteins, with homology confined to approximately 150 C-terminal residues. The TNF ligands interact with a parallel family of receptors. TRAIL binds to the death receptors DR4 (TRAIL-R1) and DR5 (TRAIL-R1I). The process of apoptosis is caspase-8-dependent. Caspase-8 activates downstream effector caspases including procaspase-3, -6, and -7, leading to activation of specific kinases. TRAIL also binds the receptors DcR1 and DcR2, which do not contain a cytoplasmic domain (DcR1) or contain a truncated death domain (DcR2). The standard product used in this kit is recombinant human TRAIL with the molecular mass of 21KDa. It is expressed from the amino acids ectoderm T95--G281.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	1730015
NCBI GeneID	8743
UniProt Accession #	P50591; A1Y9B3
Molecular Weight	11,746 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; APO2L; CD253; TRAIL; Apo-2L
NCBI Protein Information	tumor necrosis factor ligand superfamily member 10; Apo-2 ligand; TNF-related apoptosis inducing ligand TRAIL; tumor necrosis factor (ligand) family, member 10; chemokine tumor necrosis factor ligand superfamily member 10; tumor necrosis factor apoptosis-inducing ligand splice variant delta
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 10
UniProt Gene Name	TNFSF10
UniProt Synonym Gene Names	APO2L; TRAIL; Apo-2L; Protein TRAIL
UniProt Entry Name	TNF10_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/tnfsf10-human-elisa-kits/trail/45244>