Human tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain ELISA Kit | TNFRSF10D elisa kit

Human tumor necrosis factor-related apoptosis-inducing ligand receptor 4, TRAIL-R4 ELISA Kit

CATALOG #	REACTIVITY
AAA79529	**Human**

PRODUCT SYNONYMS

tumor necrosis factor receptor superfamily; member 10d; decoy with truncated death domain; Human tumor necrosis factor-related apoptosis-inducing ligand receptor 4; TRAIL-R4 ELISA Kit; Human tumor necrosis factor-related apoptosis-inducing ligand receptor 4 (TRAIL-R4) ELISA Kit; CD264; DCR2; TRAILR4; TRUNDD; TNF receptor-related receptor for TRAIL; TRAIL receptor 4; TRAIL receptor with a truncated death domain; decoy receptor 2; tumor necrosis; TNFRSF10D elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human TNFRSF10D. No significant cross-reactivity or interference between Human TNFRSF10D and analogues was observed.
Sequence Length	386
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 TNFRSF10D elisa kit	**Introduction:** TNF-related apoptosis-inducing ligand (TRAIL), also known as Apo-2 ligand and TNFSF10, is a type II transmembrane protein with a carboxy-terminal extracellular domain that exhibits homology to other TNF superfamily members. TRAIL binds at least five different receptors: TRAIL R1 (DR4), R2 (DR5), R3 (DcR1), R4 (DcR2), and osteoprotegerin (OPG). TRAIL receptors all exhibit cysteine-rich repeats characteristic of the TNF receptor superfamily. TRAIL R1 and R2 are type 1 transmembrane proteins with intracellular death domains (DD) and, subsequently, have the ability to mediate TRAIL-induced apoptosis. The remaining receptors are decoys that may regulate TRAIL activity by competing for binding sites with TRAIL R1 and R2. TRAIL R3 is membrane-associated via GPI linkage. TRAIL R4 is a type 1 transmembrane receptor, but exhibits a truncated cytoplasmic domain. Like the active receptors TRAIL R1 and R2, OPG has a DD motif but is a soluble protein. **Principle of the Assay:** The microtiter plate provided in this kit has been pre-coated with an antibody specific to TRAIL-R4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for TRAIL-R4 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 TRAIL-R4, 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 TRAIL-R4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	22547108
NCBI GeneID	8793
NCBI Accession #	NP_003831.2
NCBI GenBank Nucleotide #	NM_003840.4
UniProt Accession #	Q9UBN6; Q9Y6Q4; B2R8W0
Molecular Weight	41,823 Da
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 10D
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain
NCBI Official Symbol	TNFRSF10D
NCBI Official Synonym Symbols	DCR2; CD264; TRUNDD; TRAILR4; TRAIL-R4
NCBI Protein Information	tumor necrosis factor receptor superfamily member 10D; TRAIL receptor 4; decoy receptor 2; TNF receptor-related receptor for TRAIL; TRAIL receptor with a truncated death domain; TNF-related apoptosis-inducing ligand receptor 4
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 10D
UniProt Gene Name	**TNFRSF10D**
UniProt Synonym Gene Names	DCR2; TRAILR4; TRUNDD; UNQ251/PRO288; DcR2; TRAIL receptor 4; TRAIL-R4
UniProt Entry Name	TR10D_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/tnfrsf10d-human-elisa-kits/tumor-necrosis-factor-receptor-superfamily-member-10d-decoy-with-truncated-death-domain/79529