

Human tumor necrosis factor receptor superfamily, member 10b ELISA Kit | TNFRSF10B elisa kit

Human Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand Receptor 2, TRAIL-R2/DR5 ELISA Kit

CATALOG # AAA80703	REACTIVITY Human
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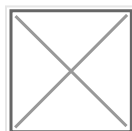
PRODUCT SYNONYMS

tumor necrosis factor receptor superfamily; member 10b; Human Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand Receptor 2; TRAIL-R2/DR5 ELISA Kit; Human Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand Receptor 2 (TRAIL-R2/DR5) ELISA Kit; CD262; DR5; KILLER; KILLER/DR5; TRAIL-R2; TRAILR2; TRICK2; TRICK2A; TRICK2B; TRICKB; ZTNFR9; Fas-like protein; TNF-related apoptosis-inducing ligand receptor 2; apoptosis inducing protein TRICK2A/2B; a; TNFRSF10B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human TNFRSF10B. No significant cross-reactivity or interference between Human TNFRSF10B and analogues was observed.
Sequence Length	440
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 TNFRSF10B 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-R2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for TRAIL-R2 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-R2, 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-R2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	224494019
NCBI GeneID	8795
NCBI Accession #	NP_003833.4
NCBI GenBank Nucleotide #	NM_003842.4
UniProt Accession #	O14763; O14720; O15508; O15517; O15531; Q6UXM8; Q7Z360; Q9BVE0
Molecular Weight	47,878 Da
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 10B isoform 1
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 10b
NCBI Official Symbol	TNFRSF10B
NCBI Official Synonym Symbols	DR5; CD262; KILLER; TRICK2; TRICKB; ZTNFR9; TRAILR2; TRICK2A; TRICK2B; TRAIL-R2; KILLER/DR5
NCBI Protein Information	tumor necrosis factor receptor superfamily member 10B; Fas-like protein; death receptor 5; cytotoxic TRAIL receptor-2; TNF receptor superfamily member 10b; apoptosis inducing receptor TRAIL-R2; apoptosis inducing protein TRICK2A/2B; TNF-related apoptosis-inducing ligand receptor 2; death domain containing receptor for TRAIL/Apo-2L; tumor necrosis factor receptor-like protein ZTNFR9; p53-regulated DNA damage-inducible cell death receptor(killer)
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 10B
UniProt Gene Name	TNFRSF10B
UniProt Synonym Gene Names	DR5; KILLER; TRAILR2; TRICK2; ZTNFR9; UNQ160/PRO186; TRAIL receptor 2; TRAIL-R2
UniProt Entry Name	TR10B_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/tnfrsf10b-human-elisa-kits/tumor-necrosis-factor-receptor-superfamily-member-10b/80703>