Tumor Necrosis Factor Receptor Superfamily, Member 17 (TNFRSF17) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Tumor Necrosis Factor Receptor Superfamily, Member 17 (TNFRSF17), ELISA Kit
Full Product Name	Human Tumor Necrosis Factor Receptor Superfamily, Member 17 ELISA Kit
Product Gene Name	TNFRSF17 elisa kit
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, Plasma and Tissue Homogenate
Detection Range	0.625ng/ml-20ng/ml.
Sensitivity	0.1ng/ml.
Specificity	No significant cross-reactivity or interference between this analyte and analogues is observed.
Preparation and Storage	Store all reagents at 2-8 degree C
Inter-assay Precision	Inter-assay CV (%) is less than 15%. [CV(%) = SD/mean ×100].
Intra-assay Precision	Intra-assay CV (%) is less than 15%.
Molecular Weight	47,878 Da
OMIM	275355
3D Structure	ModBase 3D Structure for O14763
Related Product Information for TNFRSF17 elisa kit	**Background:** This Quantitative Sandwich ELISA kit is only for in vitro research use only! This kit is intended to be used for determination the level of TNFRSF17 (hereafter termed this analyte) in undiluted original Human serum, plasma and tissue homogenate samples.
Other Notes	Small volumes of TNFRSF17 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TNFRSF17 purchase	MBS073097 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Tumor Necrosis Factor Receptor Superfamily, Member 17 (TNFRSF17) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing TNFRSF17. The ELISA analytical biochemical technique of the MBS073097 kit is based on TNFRSF17 antibody-TNFRSF17 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect TNFRSF17 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, TNFRSF17. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TNFRSF17. It may not necessarily be applicable to this product.

NCBI GI #	224494019
NCBI GeneID	8795
NCBI Accession #	NP_003833.4

UniProt Primary Accession #	O14763
UniProt Secondary Accession #	O14720; O15508; O15517; O15531; Q6UXM8; Q7Z360; Q9BVE0
UniProt Related Accession #	O14763
GenBank Nucleotide #	NM_003842.4
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
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 10B
UniProt Synonym Protein Names	Death receptor 5; TNF-related apoptosis-inducing ligand receptor 2
Protein Family	Tumor necrosis factor receptor superfamily
UniProt Gene Name	TNFRSF10B
UniProt Synonym Gene Names	DR5; KILLER; TRAILR2; TRICK2; ZTNFR9; TRAIL receptor 2; TRAIL-R2
UniProt Entry Name	TR10B_HUMAN
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)
NCBI Summary for TNFRSF17	The protein encoded by this gene is a member of the TNF-receptor superfamily, and contains an intracellular death domain. This receptor can be activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL/APO-2L), and transduces an apoptosis signal. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein. Two transcript variants encoding different isoforms and one non-coding transcript have been found for this gene. [provided by RefSeq, Mar 2009]
UniProt Comments for TNFRSF17	TRAIL-R2: Receptor for the cytotoxic ligand TNFSF10/TRAIL. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Promotes the activation of NF- kappa-B. Homotrimer. Can interact with TRADD and RIPK1. Regulated by p53/TP53. Widely expressed in adult and fetal tissues; very highly expressed in tumor cell lines such as HeLaS3, K-562, HL-60, SW480, A-549 and G-361; highly expressed in heart, peripheral blood lymphocytes, liver, pancreas, spleen, thymus, prostate, ovary, uterus, placenta, testis, esophagus, stomach and throughout the intestinal tract; not detectable in brain. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 8p22-p21 Cellular Component: integral to membrane; plasma membrane Molecular Function: protein binding; TRAIL binding; receptor activity Biological Process: caspase activation; regulation of apoptosis; cell surface receptor linked signal transduction; positive regulation of I-kappaB kinase/NF-kappaB cascade; induction of apoptosis via death domain receptors; apoptosis; activation of NF-kappaB-inducing kinase Disease: Squamous Cell Carcinoma, Head And Neck
Research Articles on TNFRSF17	**1.** DR5 integrates opposing UPR signals to couple the endoplasmic reticulum stress and apoptotic cell fate.

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