

Mouse TNFRSF22 ELISA Kit | TNFRSF22 elisa kit

Mouse TNFRSF22 PicoKine ELISA Kit

CATALOG #
AAA125220

REACTIVITY
Mouse

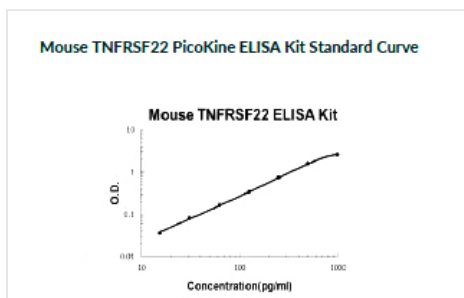
PRODUCT SYNONYMS

TNFRSF22; Mouse TNFRSF22 PicoKine ELISA Kit; Mouse TNFRSF22; tumor necrosis factor receptor superfamily; member 22; Tumor necrosis factor receptor superfamily member 22; Decoy TRAIL receptor 2; TNF receptor family member SOBa; TNF receptor homolog 2; Tumor necrosis factor receptor p60 homolog 2; Tnfrsf22; Dctrailr2; Tnfrh2; Tnfrsf1a2; TNFRSF22 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Tnfrsf22
Sequence Length	198
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/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 across 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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNFRSF22 elisa kit	Principle of the Assay: The Picokine™ Mouse Tnfrsf22 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Tnfrsf22 with a 96-well strip plate that is pre-coated with antibody specific for Tnfrsf22. The detection antibody is a biotinylated antibody specific for Tnfrsf22. The capture antibody is a monoclonal antibody from rat, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Mouse Tnfrsf22 with immunogen: Expression system for standard: NSO, Immunogen sequence: E42-R198. The kit is analytically validated with ready to use reagents. To measure Mouse Tnfrsf22, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Tnfrsf22 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Tnfrsf22 in the sample.!!Background/Introduction: TNFRSF22 interacts via a complex receptor system to preferentially induce apoptosis of tumor cells in vivo and in vitro. This gene is mapped to 7 F5; 7 88.27 cM. The mouse decoy TRAIL R2(TNFRSF22) gene encodes a 198 amino acid (aa) residues type I transmembrane protein with a putative 39 aa signal peptide, a 136 aa extracellular domain, a 18 aa transmembrane region, and a 5 aa cytoplasmic tail. An alternatively spliced variant encoding a secreted soluble receptor of 180 aa has also been described. The transmembrane and soluble receptors are known as mDcTRAIL R2L and mDcTRAIL R2S, respectively. Both mDcTRAIL R2 isoforms and the GPI-linked mDcTRAIL R1 bind TRAIL specifically but are incapable of triggering signal transduction. Mouse DcTRAIL R1 and mDcTRAIL R2 share 71% sequence identity. The two receptors have similar structural modules in their CRDs, which differ from those found in the CRDs of mTNF RH3. Mouse DcTRAIL R1 preferentially binds mTRAIL while mDcTRAIL R2 binds both human and mTRAIL. mRNA of mouse DcTRAIL R1 and -2 are expressed at low levels in many mouse tissues and at higher levels in several mouse cell lines.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	32363508
NCBI GeneID	79202
UniProt Accession #	Q9ER62
NCBI Official Full Name	Tumor necrosis factor receptor superfamily member 22
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 22
NCBI Official Symbol	Tnfrsf22
NCBI Official Synonym Symbols	SOBa; Tnfrh2; Tnfrsf1a2; mDcTrailr2; 2810028K06Rik; C130035G06Rik
NCBI Protein Information	tumor necrosis factor receptor superfamily member 22
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 22
UniProt Gene Name	Tnfrsf22
UniProt Synonym Gene Names	Dctrailr2; Tnfrh2; Tnfrsf1a2
UniProt Entry Name	TNR22_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.