

Rat TNFSF12/TWEAK ELISA Kit | TNFSF12 elisa kit

Rat TNFSF12/TWEAK PicoKine ELISA Kit

CATALOG #
AAA45883

REACTIVITY
Rat

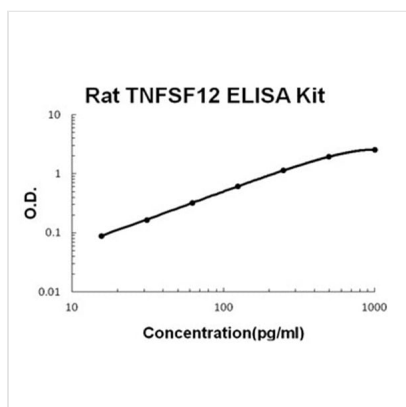
PRODUCT SYNONYMS

TNFSF12/TWEAK; Rat TNFSF12/TWEAK PicoKine ELISA Kit; Tumor necrosis factor ligand superfamily member 12; tumor necrosis factor (ligand) superfamily member 12; APO 3 ligand; APO 3L; APO3 ligand; APO3/DR3 ligand; APO3L; CD255; DR3LG; MGC129581; MGC20669; TNF related weak inducer of apoptosis; TNF-related weak inducer of apoptosis; TNF12_HUMAN; TNFRS12a; TNFSF 12; TNFSF12; TNFSF12 protein; Tumor necrosis factor (ligand) superfamily member 12; Tumor necrosis factor superfamily member 12; TWEAK; UNQ181/PRO207; TNFSF12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat TNFSF12
Sequence Length	249
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
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 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)

Rat TNFSF12/TWEAK PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TNFSF12 elisa kit	Principle of the assay: rat TNFSF12 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for TNFSF12 has been precoated onto 96-well plates. Standards(E.coli, S94-H249) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TNFSF12 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 rat TNFSF12 amount of sample captured in plate. Background: Tumor necrosis factor ligand superfamily member 12 also known as TNF-related weak inducer of apoptosis (TWEAK) is a protein that in humans is encoded by the TNFSF12 gene. The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein is a ligand for the FN14/TWEAKR receptor. This cytokine has overlapping signaling functions with TNF, but displays a much wider tissue distribution. This cytokine can induce apoptosis via multiple pathways of cell death in a cell type-specific manner. This cytokine is also found to promote proliferation and migration of endothelial cells, and thus acts as a regulator of angiogenesis. The TNFSF12 gene lies 878 bp upstream of the putative transcriptional start site of the TNFSF13 gene on chromosome 17p13.1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	81884565
NCBI GeneID	360548
UniProt Accession #	Q6AYC1; D3ZUW9
Molecular Weight	27,381 Da
NCBI Official Full Name	Tumor necrosis factor ligand superfamily member 12
NCBI Official Synonym Full Names	tumor necrosis factor ligand superfamily member 12
NCBI Official Symbol	Tnfsf12
NCBI Official Synonym Symbols	TWEAK
NCBI Protein Information	tumor necrosis factor ligand superfamily member 12; TNF-related weak inducer of apoptosis
UniProt Protein Name	Protein Tnfsf12
UniProt Gene Name	Prmt2
UniProt Entry Name	Q6AYC1_RAT

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.