

Mouse TNFSF4/OX40L ELISA Kit | TNFSF4 elisa kit

Mouse TNFSF4/OX40L PicoKine ELISA Kit

CATALOG #
AAA45852

REACTIVITY
Mouse

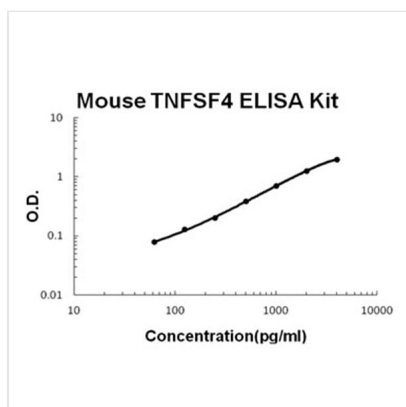
PRODUCT SYNONYMS

TNFSF4/OX40L; Mouse TNFSF4/OX40L PicoKine ELISA Kit; Tumor necrosis factor ligand superfamily member 4; tumor necrosis factor (ligand) superfamily; member 4; CD 134L; CD 252; CD134; CD134 ligand; CD134L; CD252; CD252 antigen; glycoprotein 34 kd; Glycoprotein Gp34; GP34; OX-40L; OX40 antigen ligand; OX40 ligand; OX40L; TAX transcriptionally-activated glycoprotein 1; TNFL4_HUMAN; Tnfsf4; Tumor necrosis factor (ligand) superfamily member 4; TXGP1; TNFSF4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse TNFSF4
Sequence Length	198
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/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)

Mouse TNFSF4/OX40L PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TNFSF4 elisa kit

Principle of the assay: mouse TNFSF4 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for TNFSF4 has been precoated onto 96-well plates. Standards(NSO, S51-L198) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TNFSF4 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 mouse TNFSF4 amount of sample captured in plate.

Background: OX40L is the ligand for CD134 and is expressed on such cells as DC2s enabling amplification of Th2 cell differentiation. OX40L has also been designated CD252. By analysis of an interspecific backcross, Baum et al. (1994) mapped the mouse Tnfsf4 gene to chromosome 1. Using fluorescence in situ hybridization, they localized the human TNFSF4 gene to 1q25, a region sharing homology of synteny with the portion of mouse chromosome 1 containing the Tnfsf4 gene.OX40L strongly inhibited the generation of IL-10-producing Tr1 cells induced by two physiologic stimuli, the inducible costimulatory ligand and immature dendritic cells. In addition, OX40L strongly inhibited IL-10 production and suppressive function of differentiated IL-10-producing Tr1 cells. Tnfsf4 underlies Ath1 in mice and that polymorphisms in its human homolog TNFSF4 increase the risk of myocardial infarction in humans.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1171934
NCBI GeneID	22164
UniProt Accession #	P43488
Molecular Weight	22,255 Da
NCBI Official Full Name	Tumor necrosis factor ligand superfamily member 4
NCBI Official Synonym Full Names	tumor necrosis factor (ligand) superfamily, member 4
NCBI Official Symbol	Tnfsf4
NCBI Official Synonym Symbols	Ath1; gp34; Ath-1; Ox40l; TXGP1; CD134L; OX-40L; Txgp1l
NCBI Protein Information	tumor necrosis factor ligand superfamily member 4; OX40 ligand; atherosclerosis 1; tax-transcriptionally activated glycoprotein 1 ligand
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 4
UniProt Gene Name	Tnfsf4
UniProt Synonym Gene Names	Ox40l; Txgp1l; OX40L
UniProt Entry Name	TNFL4_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.

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