

Human TNFsR I ELISA Kit | TNFRSF1A elisa kit

Human TNFsR I PicoKine ELISA Kit

CATALOG #
AAA45200

REACTIVITY
Human

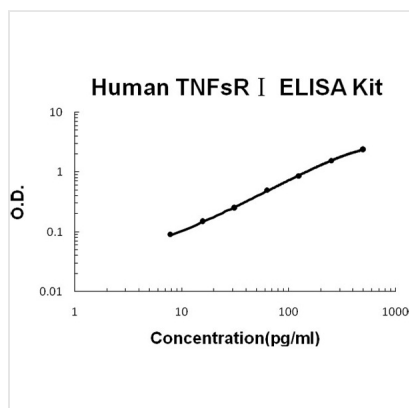
PRODUCT SYNONYMS

TNFsR I; Human TNFsR I PicoKine ELISA Kit; Tumor necrosis factor receptor superfamily member 1A; tumor necrosis factor receptor superfamily; member 1A; CD120a; FPF; p55; p55 R; p60; p65; TBP1; TBPI; TNF R; TNF R I; TNF R55; TNF-R1; TNF-RI; TNFAR; TNFR-I; TNFR1; TNFR55; TNFR60; TNFRI; TNFRSF1A; TNR1A_HUMAN; Tumor necrosis factor alpha receptor; Tumor necrosis factor binding protein 1; Tumor necrosis factor receptor 1; membrane form; Tumor necrosis factor receptor type I; Tumor necrosis factor-binding protein 1; TNFRSF1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human TNFsRI
Sequence Length	455
Samples	For quantitative detection of human TNFsRI in cell culture supernates, serum, plasma (heparin, EDTA, citrate) and urine
Assay Type	Sandwich
Detection Range	7.8pg/ml-500pg/ml
Sensitivity	< 1pg/ml
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)

Human TNFsR I PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TNFRSF1A elisa kit	Principle of the assay: human TNFsRIELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for TNFsRI has been precoated onto 96-well plates. Standards and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TNFsRI 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 human TNFsRI amount of sample captured in plate. Background: TNFsRI(also known as Solube tumor necrosis factor receptor 1) is a cytokine receptor that binds tumor necrosis factors (TNF). In contrast, the p60 (TNFRSF1A) and p80 (TNFRSF1B) TNFA receptors self-assemble through a distinct functional domain in the TNFR extracellular domain, termed the pre-ligand assembly domain (PLAD), in the absence of ligand. Deletion of the PLAD results in monomeric presentation of p60 or p80. Flow cytometric analysis showed that efficient TNFA binding depends on receptor self-assembly. They also found that other members of the TNF receptor superfamily, including the extracellular domains of TRAIL (TNFRSF10A), CD40, and FAS (TNFRSF6), all self-associate but do not interact with heterologous receptors. By Southern blot analysis of human/Chinese hamster somatic cell hybrid DNA, the TNFR1 gene was mapped to 12pter-cen. And by nonradioactive in situ hybridization that the type 1 receptor (the p55 TNF receptor) is encoded by a gene located on chromosome 12p13.2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	135959
NCBI GeneID	7132
UniProt Accession #	P19438; Q9UCA4; A8K4X3; B2RDE4; B3KPQ1; B4DQB7; B4E309; B5M0B5; D3DUR1
Molecular Weight	24,194 Da
NCBI Official Full Name	Tumor necrosis factor receptor superfamily member 1A
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 1A
NCBI Official Symbol	TNFRSF1A
NCBI Official Synonym Symbols	FPF; MS5; p55; p60; TBP1; TNF-R; TNFAR; TNFR1; p55-R; CD120a; TNFR55; TNFR60; TNF-R-I; TNF-R55; TNFR1-d2
NCBI Protein Information	tumor necrosis factor receptor superfamily member 1A; TNF-R1; TNF-RI; TNFR-I; tumor necrosis factor-alpha receptor; tumor necrosis factor receptor type 1; tumor necrosis factor binding protein 1; tumor necrosis factor receptor 1A isoform beta
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 1A
UniProt Gene Name	TNFRSF1A
UniProt Synonym Gene Names	TNFAR; TNFR1; TNF-R1; TNF-RI; TNFR-I; TBPI
UniProt Entry Name	TNR1A_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.