

Mouse TNFR1 PicoKine ELISA Kit | Tnfrsf1a elisa kit

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CATALOG #
AAA46203

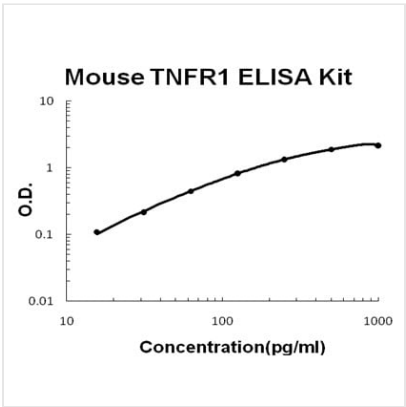
REACTIVITY
Mouse

PRODUCT SYNONYMS

TNFR1 PicoKine; Mouse TNFR1 PicoKine ELISA Kit; 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; tumor necrosis factor receptor superfamily; member 1A; Tnfrsf1a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse TNFR1
Sequence Length	454
Assay Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/ml
Sample	For quantitative detection of mouse TNFR1 in cell culture supernates and serum.
Immunogen	NSO, L30-A212
Assay Procedure Step 1	Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml mouse TNFR1 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates or serum to each empty well. It is recommended that each mouse TNFR1 standard solution and each sample be measured in duplicate.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml) 46 118 581 48.3 120 592 Standard deviation 2.7 6.5 27.5 2.5 6 33.3 CV(%) 5.9 5.5 4.7 5.2 5 5.6
Sample Data	Concentration(pg/ml) 0 15.6 31.2 62.5 125 250 500 1000 O.D. 0.036 0.110 0.215 0.442 0.822 1.328 1.876 2.152
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Mouse TNFR1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Tnfrsf1a elisa kit	Principle of the assay: Mouse TNFR1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for TNFR1 has been precoated onto 96-well plates. Standards (NSO, L30-A212) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TNFR1 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 TNFR1 amount of sample captured in plate. Background: Tumor necrosis factor receptor 1 (TNFR1), also known as tumor necrosis factor receptor superfamily member 1A (TNFRSF1A) and CD120a, is a ubiquitous membrane receptor that binds tumor necrosis factor-alpha (TNF alpha). The protein encoded by this gene is a member of the tumor necrosis factor receptor superfamily, which also contains TNFRSF1B. And this protein is one of the major receptors for the tumor necrosis factor-alpha. This receptor can activate the transcription factor NF-kappaB, mediate apoptosis, and function as a regulator of inflammation. Antiapoptotic protein BCL2-associated athanogene 4 (BAG4/SODD) and adaptor proteins TRADD and TRAF2 have been shown to interact with this receptor, and thus play regulatory roles in the signal transduction mediated by the receptor.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31560799
NCBI GeneID	21937
NCBI Accession #	NP_035739.2
NCBI GenBank Nucleotide #	NM_011609.4
UniProt Accession #	P25118
Molecular Weight	50,130 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; p55; TNF-R; TNFAR; TNFRI; Tnfr1; p55-R; CD120a; TNF-R1; TNFR60; Tnfr-2; TNF-R-I; TNF-R55; TNFRp55; TNF-alphaR1; TNFalpha-R1
NCBI Protein Information	tumor necrosis factor receptor superfamily member 1A
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 1A

UniProt Gene Name	Tnfrsf1a
UniProt Synonym Gene Names	Tnfr-1; Tnfr1; TNF-R1; TNF-Rl; TNFR-I
UniProt Entry Name	TNR1A_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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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/tnfr1-picokine/46203>