

Human TNFRSF16/NGFR PicoKine ELISA Kit | NGFR elisa kit

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CATALOG #
AAA46204

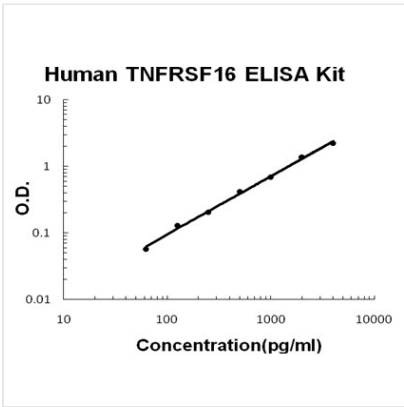
REACTIVITY
Human

PRODUCT SYNONYMS

TNFRSF16/NGFR PicoKine; Human TNFRSF16/NGFR PicoKine ELISA Kit; Tumor necrosis factor receptor superfamily member 16; CD271; CD271 antigen; Gp80 LNGFR; Gp80-LNGFR; Low affinity nerve growth factor receptor; Low affinity neurotrophin receptor p75NTR; Low-affinity nerve growth factor receptor; Nerve growth factor receptor; Nerve growth factor receptor TNFR superfamily member 16; NGF receptor; NGFR; p75 ICD; p75 Neurotrophin receptor; p75 NTR; p75(NTR); p75NTR; TNFR Superfamily Member 16; TNFRSF16; TNR16_HUMAN; nerve growth factor receptor; NGFR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human TNFRSF16
Sequence Length	427
Assay Range	62.5pg/ml-4000pg/ml
Sensitivity	<10pg/ml
Sample	For quantitative detection of human TNFRSF16 in cell culture supernates, serum and plasma(heparin, EDTA, citrate).
Immunogen	sf21, K29-N250
Assay Procedure Step 1	Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml,1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml human TNFRSF16 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 human cell culture supernates, serum or plasma(heparin, EDTA, citrate) to each empty well. It is recommended that each human TNFRSF16 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) 81 330 1560 85 360 1350 Standard deviation 4.21 21.45 90.48 5.27 27 90.45 CV(%) 5.2 6.5 5.8 6.2 7.5 6.7
Sample Data	Concentration(pg/ml) 0 62.5 125 250 500 1000 2000 4000 O.D. 0.009 0.057 0.129 0.205 0.416 0.685 1.375 2.203
Anticoagulant	Heparin, EDTA or Citrate
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)
Human TNFRSF16/NGFR PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for NGFR elisa kit	Principle of the assay: Human TNFRSF16 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for TNFRSF16 has been precoated onto 96-well plates. Standards (sf21, K29 - N250) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TNFRSF16 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 TNFRSF16 amount of sample captured in plate. Background: Nerve growth factor receptor (NGFR) is also referred to as p75(NTR) because of its ability to bind at low affinity not only to NGF, but also other neurotrophins including brain-derived neurotrophic factor (BDNF), neurotrophin-3 and neurotrophin-4/5. The nerve growth factor receptor gene is at human chromosome region 17q12-17q22, distal to the chromosome 17 breakpoint in acute leukemias. The neurotrophin receptor p75(NTR), a tumor necrosis factor receptor superfamily member expressed in hepatic stellate cells after fibrotic and cirrhotic liver injury in humans, is a regulator of liver repair. In mice, depletion of p75(NTR) exacerbated liver pathology and inhibited hepatocyte proliferation in vivo. In addition, it is showed that neurotrophins activate p75(NTR) to induce apoptosis through the induction of the sphingomyelin (SM) cycle and increased production of ceramide. Overexpression of p75(NTR) is also found to activate the SM pathway.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505393
NCBI GeneID	4804
NCBI Accession #	NP_002498.1
NCBI GenBank Nucleotide #	NM_002507.3
UniProt Accession #	P08138; B2R961; B4E096
Molecular Weight	35,767 Da
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 16
NCBI Official Synonym Full Names	nerve growth factor receptor
NCBI Official Symbol	NGFR
NCBI Official Synonym Symbols	CD271; p75NTR; TNFRSF16; p75(NTR); Gp80-LNGFR
NCBI Protein Information	tumor necrosis factor receptor superfamily member 16
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 16

UniProt Gene Name	NGFR
UniProt Synonym Gene Names	TNFRSF16; NGF receptor
UniProt Entry Name	TNR16_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/tnfrsf16-ngfr-picokine/46204>