

Human CD271 ELISA Kit | NGFR elisa kit

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CATALOG #
AAA263067

REACTIVITY
Human

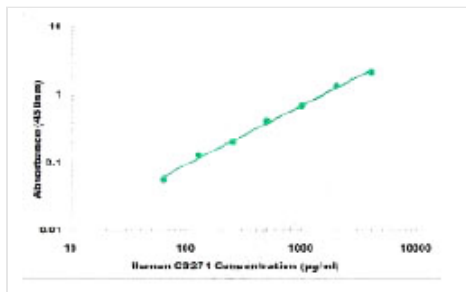
PRODUCT SYNONYMS

CD271; Human CD271 ELISA Kit; TNFRSF16; Tumor necrosis factor receptor superfamily member 16; Gp80-LNGFR; Low affinity neurotrophin receptor p75NTR; Low-affinity nerve growth factor receptor; NGF receptor; p75 ICD; NGFR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human CD271 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human CD271 proteins within the range of 62.5 pg/ml - 4000 pg/ml.
Sequence Length	427
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NGFR elisa kit	Principle of the Assay: The Human CD271 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human CD271 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human CD271 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD271 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human CD271 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD271 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. 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.