

## ARG81792 Human CD271 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81792-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81792-002	Standard	2 X 10 ng/vial	4°C
ARG81792-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81792-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81792-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81792-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81792-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81792-008	25X Wash buffer	20 ml	4°C
ARG81792-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81792-010	STOP solution	10 ml (Ready to use)	4°C
ARG81792-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81792 Human CD271 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD271 in serum, plasma (heparin, EDTA, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD271
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (heparin, EDTA, citrate) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.6%; Inter-Assay CV: 5.9%
Alternate Names	Gp80-LNGFR; CD271; CD antigen CD271; p75 ICD; Tumor necrosis factor receptor superfamily member 16; p75NTR; NGF receptor; TNFRSF16; p75(NTR); Low affinity neurotrophin receptor p75NTR; Low-affinity nerve growth factor receptor

## Application Instructions

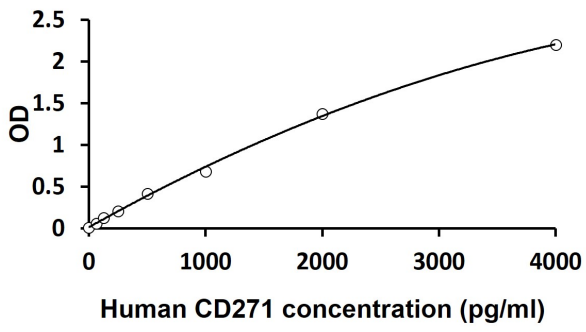
Assay Time	~ 5 hours
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## Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	NGFR
Gene Full Name	nerve growth factor receptor
Background	Nerve growth factor receptor contains an extracellular domain containing four 40-amino acid repeats with 6 cysteine residues at conserved positions followed by a serine/threonine-rich region, a single transmembrane domain, and a 155-amino acid cytoplasmic domain. The cysteine-rich region contains the nerve growth factor binding domain. [provided by RefSeq, Jul 2008]
Function	Plays a role in the regulation of the translocation of GLUT4 to the cell surface in adipocytes and skeletal muscle cells in response to insulin, probably by regulating RAB31 activity, and thereby contributes to the regulation of insulin-dependent glucose uptake (By similarity). Low affinity receptor which can bind to NGF, BDNF, NT-3, and NT-4. Can mediate cell survival as well as cell death of neural cells. Necessary for the circadian oscillation of the clock genes ARNTL/BMAL1, PER1, PER2 and NR1D1 in the suprachiasmatic nucleus (SCN) of the brain and in liver and of the genes involved in glucose and lipid metabolism in the liver. [UniProt]
Highlight	Related products: <a href="#">CD271 antibodies</a> ; <a href="#">CD271 ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	N- and O-glycosylated.  O-linked glycans consist of Gal(1-3)GalNAc core elongated by 1 or 2 NeuNAc.  Phosphorylated on serine residues. [UniProt]



ARG81792 Human CD271 ELISA Kit standard curve image

ARG81792 Human CD271 ELISA Kit results of a typical standard run with optical density reading at 450 nm.