

Product datasheet for **CF812990**

p75 NGF Receptor (NGFR) Mouse Monoclonal Antibody [Clone ID: OT18F1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OT18F1
Applications:	FC, WB
Recommended Dilution:	WB 1:500, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human Ngfr (NP_002498) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	45.18 kDa
Gene Name:	nerve growth factor receptor
Database Link:	NP_002498 Entrez Gene 18053 Mouse Entrez Gene 24596 Rat Entrez Gene 4804 Human P08138



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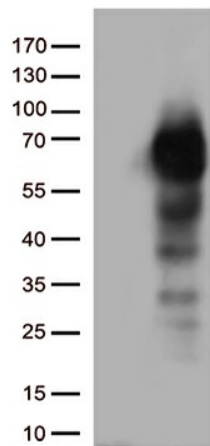
Background: Nerve growth factor receptor contains an extracellular domain containing four 40-amino acid repeats with 6 cysteine residues at conserved positions followed by a serine/threonine-rich region, a single transmembrane domain, and a 155-amino acid cytoplasmic domain. The cysteine-rich region contains the nerve growth factor binding domain. [provided by RefSeq, Jul 2008]

Synonyms: CD271; Gp80-LNGFR; p75(NTR); p75NTR; TNFRSF16

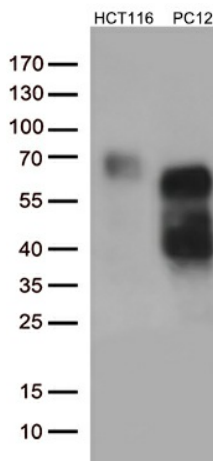
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Neurotrophin signaling pathway

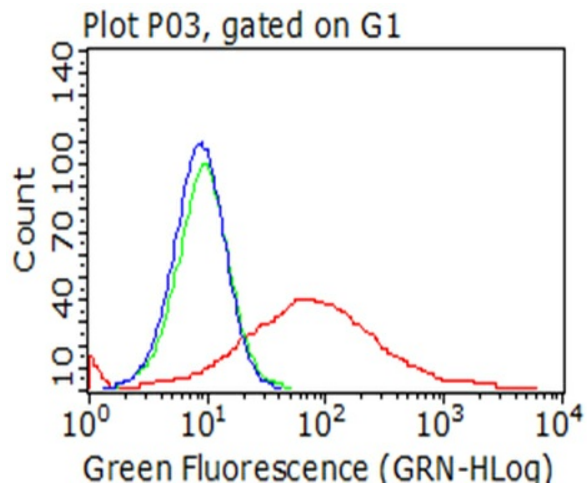
Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY NGFR (Cat# [RC207966], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NGFR (Cat# [TA812990])(1:500).



Western blot analysis of extracts (35ug) from 2 cell lines lysates by using anti-NGFR monoclonal antibody (1:500).



Flow cytometric analysis of living 293T cells transfected with NGFR overexpression plasmid ([RC207966], Red)/empty vector ([PS100001], Blue) using anti-NGFR antibody ([TA812990]). Cells incubated with a non-specific antibody (Green) were used as isotype control (1:100).