

Product datasheet for **AM00235PU-N**

p75 NGF Receptor (NGFR) (1-160) Mouse Monoclonal Antibody [Clone ID: NGFR5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	NGFR5
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	Flow Cytometry. Immunoprecipitation. Western blot. Immunohistochemistry on Paraffin Sections: 1-2 µg/ml (Heat-mediated antigen retrieval required). Positive Control: melanoma tissue. Immunocytochemistry.
Reactivity:	Feline, Ferret, Human, Monkey, Rabbit
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified CD271 protein isolated from Human melanoma cell line A875
Specificity:	This antibody recognizes CD271/NGFR, a transmembrane glycoprotein of the TNFR superfamily. The epitope is localized within amino acids 1-160. Cellular Localization: Cell Surface, Cytoplasmic.
Formulation:	PBS, pH~7.4 State: Purified State: Liquid purified Ig fraction from Cell Culture Supernatant (> 95% pure by SDS-PAGE) Preservative: 15 mM Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.



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Predicted Protein Size: 75 kDa

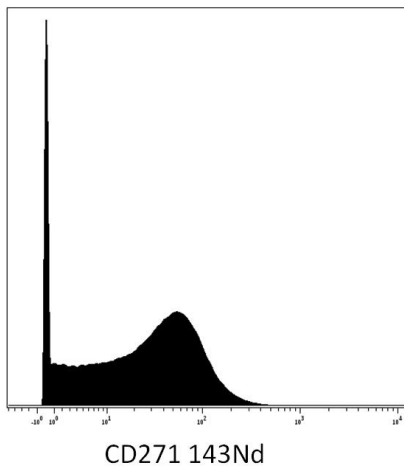
Gene Name: nerve growth factor receptor

Database Link: [Entrez Gene 4804 Human P08138](#)

Background: CD271 / NGFR, also known as p75NGFR or p75NTR, is a 75 kDa low affinity receptor for the NGF (nerve growth factor), BDNF (brain-derived growth factor), and other neurotrophins, such as NT3 and NT4/5. Unlike other members of the tumor necrosis factor receptor superfamily of transmembrane proteins, CD271 has unique intracellular domain structure (lacks catalytic activity) and downstream signaling partners. Triggered by its ligands CD271 affects growth, differentiation, migration and death of the nervous system cells.

Synonyms: TNFRSF16

Product images:



Surface staining (mass cytometry) of brain tumor cells with anti-CD271 (NGFR5) 143Nd. Gated on singlets.