Product datasheet for AM00235BT-N

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

Product data:

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Product Type:	Primary Antibodies
Clone Name:	NGFR5
Applications:	FC
Recommended Dilution:	**Indirect immunofluorescence analysis by Flow cytometry:** 1:200 as starting point.
Reactivity:	Feline, Ferret, Human, Primate, 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 75 kDa transmembrane glycoprotein of the TNFR superfamily. The epitope is localized within ammino acids 1 - 160.
Formulation:	Phosphate buffered saline (PBS) Label: Biotin State: Liquid purified Ig fraction Preservative: 15 mM sodium azide, approx. pH 7.4 Label: Conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Concentration:	lot specific
Conjugation:	Biotin
Storage:	Store undiluted at 2-8°C. **DO NOT FREEZE!**
Stability:	Shelf life: one year from despatch.
Gene Name:	nerve growth factor receptor
Database Link:	Entrez Gene 4804 Human P08138

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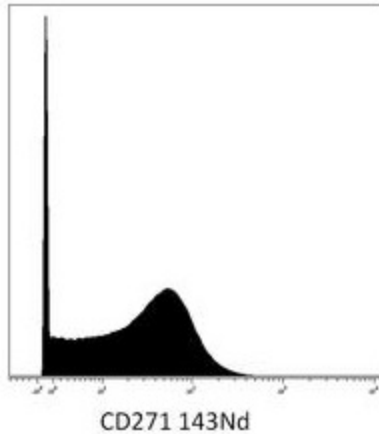
Surface staining (mass cytometry) of brain tumor cells with anti-CD271 (NGFR5) 143Nd. Gated on singlets.