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Anti-p75 NGF Receptor/NGFR Antibody Picoband® Fluoro647 Conjugated

Catalog Number: A01187-Fluoro647

About NGFR

The low-affinity nerve growth factor receptor (nerve growth factor receptor (TNFR superfamily, member 16), also called the LNGFR or p75 neurotrophin receptor) is one of the two receptor types for the neurotrophins, a family of protein growth factors that stimulate neuronal cells to survive and differentiate. LNGFR is a member of the tumor necrosis factor receptor (TNF receptor)superfamily indeed, LNGFR was the first member of this large family of receptors to be characterized. It is mapped to 17q21.33. 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.

Overview

Product Name	Anti-p75 NGF Receptor/NGFR Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IF, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P08138

Technical Details

Immunogen	E.coli-derived human p75 NGF Receptor/NGFR recombinant protein (Position: K29-Q240).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647

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	Excitation Wavelength: 650 nm Emission Wavelength: 665 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

3 Publications Citing This Product

1. PubMed ID: 10.1007/s11302-015-9445-8, Up-regulation of P2X7 receptors mediating proliferation of Schwann cells after sciatic nerve injury

2. PubMed ID: 10.1021/acsbiomaterials.0c01474, Synthesis of Double Interfering Biodegradable Nano-MgO Micelle Composites and Their Effect on Parkinson's Disease

3. PubMed ID: 25666351, Chen Q, Zhang Z, Liu J, He Q, Zhou Y, Shao G, Sun X, Cao X, Gong A, Jiang P. Mol Cells. 2015 Mar;38(3):221-8. Doi: 10.14348/Molcells.2015.2170. Epub 2015 Feb 4. A Fibrin Matrix Promotes The Differentiation Of Emscs Isolated From Nasal Respiratory ...

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