Monoclonal Antibody to CD271
Biotin conjugated (0.1 mg)

Clone: NGFR5
Isotype: Mouse IgG1
Specificity: The mouse monoclonal antibody NGFR5 (originally C34C) recognizes CD271/NGFR, a 75 kDa transmembrane glycoprotein of the TNFR superfamily. The epitope is localized within ammino acids 1 - 160.
Regulatory Status: RUO
Immunogen: Purified CD271 protein isolated from human melanoma cell line A875
Species Reactivity: Human, Non-Human Primates, Feline (Cat), Rabbit, Ferret
Negative Species: Mouse, Rat
Preparation: The purified antibody is conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Concentration: 1 mg/ml
Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability: Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Usage: Biotinylated antibody is designed for indirect immunofluorescence analysis by Flow Cytometry. Suggested working dilution is 1:200. Indicated dilution is recommended starting point for use of this product. Working concentrations should be determined by the investigator.
Expiration: See vial label
Lot Number: See vial label
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.
References:


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