NGF-Receptor (p75^{NGFR}) / Neurotrophin Receptor Ab-1 (Clone NGFR5)
Mouse Monoclonal Antibody
Cat. #MS-394-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200 µg/ml) (Purified Ab with BSA and Azide)
Cat. #MS-394-P1ABX or -PABX (0.1ml or 0.2ml at 1.0mg/ml) (Purified Ab without BSA and Azide)
Cat. #MS-394-B0, -B1, or -B (0.1ml, 0.5ml, or 1.0ml at 200µg/ml) (Biotin-Labeled Ab with BSA and Azide)

Description: NGF is important for the development, differentiation, and survival of variety of neuronal and non-neuronal cells. Its action is mediated by binding two distinct receptors, the high affinity p140 and low affinity Nerve Growth Factor (NGF) Receptor (p75^{NGFR}) or Neurotrophin Receptor (p75^{NTR}).¹

Mol. Wt. of Antigen: 75kDa

Species Reactivity: Human, Monkey (Cebus apella, Macaca fascicularis, mulatta, and nemestrina), Baboon (Papio anubis and Cynocephalus), Cat, Rabbit, Ferret. Does not react with mouse & rat.

Clone Designation: NGFR5

Ig Isotype / Light Chain: IgG₁ / κ

Immunogen: NGFR from A875 melanoma cells¹

Applications and Suggested Dilutions:
- Flow Cytometry
- Immunofluorescence
- Inhibits Binding of NGF to Melanoma Cells¹ (Order Ab without azide)
- Western Blotting (not suitable)
- Immunohistology (not suitable)

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: Melanoma.

Cellular Localization: Cell surface and cytoplasmic.

Supplied As:
200µg/ml antibody purified from the ascites fluid by Protein G chromatography. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide, Also available without BSA and azide at 1mg/ml,

Storage and Stability:
Ab with sodium azide is stable for 24 months when stored at 2-8°C. Antibody WITHOUT sodium azide is stable for 36 months when stored at below 0°C.

Key References:

Limitations and Warranty:
Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:
This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

For Research Use Only
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Cat. #MS-394-B0, -B1, or -B (0.1ml, 0.5ml, or 1.0ml at 200µg/ml) (Biotin-Labeled Ab with BSA and Azide)

Additional Key References:
1. Iwamoto S; Odland PB; Piepkorn M; Bothwell M. Evidence that the p75 neurotrophin receptor mediates perineural spread of desmoplastic melanoma. J of Am Acad of Dermatol, 1996, 35:725-31.
7. Schatteman GC; Langer T; Lanahan AA; Bothwell MA. Distribution of the 75-kD low-affinity nerve growth factor receptor in the primate peripheral nervous system. Somatosensory and Motor Research, 1993, 10(4):415-32.
13. Kordower JH; Gash DM; Bothwell M; Hersh L; Mufson EJ. Nerve growth factor receptor and choline acetyltransferase remain colocalized in the nucleus basalis (Ch4) of Alzheimer's patients. Neurobiology of Aging, 1989 Jan-Feb, 10(1):67-74.