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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-NGF-Receptor (p75) / CD271 (Soft Tissue Tumor Marker) Monoclonal Antibody

Catalog Number: M01187

About NGFR

This monoclonal antibody recognizes a glycoprotein of 75kDa, identified as low affinity Nerve Growth Factor (NGF) Receptor (p75NGFR) or Neurotrophin Receptor (p75NTR). Its epitope spans in aa 1-160 of extracellular domain of NGFR/NTR. NGF-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. 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 p75.

Overview

Product Name	Anti-NGF-Receptor (p75) / CD271 (Soft Tissue Tumor Marker) Monoclonal Antibody
Reactive Species	Ferret, Human, Monkey, Rabbit, Cat, Baboon
Description	Boster Bio Anti-NGF-Receptor (p75) / CD271 (Soft Tissue Tumor Marker) Monoclonal Antibody (Catalog # M01187). Tested in Flow Cytometry, IF, IHC applications. This antibody reacts with Human, Monkey, Baboon, Cat, Rabbit, Ferret.
Conjugate	Biotin
Application	Flow Cytometry, IF, IHC
Clonality	Monoclonal Clone: SPM299
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	P08138

Technical Details

Immunogen	NGFR from A875 melanoma cells
Predicted Reactive Species	Bovine, Canine, Mouse, Orangutan, Pig, Rabbit, Rat, Deer
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, kappa

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Form	Liquid
Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Flow Cytometry (1-2ug/million cells) Immunofluorescence (1-2ug/ml) Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes) Optimal dilution for a specific application should be determined.

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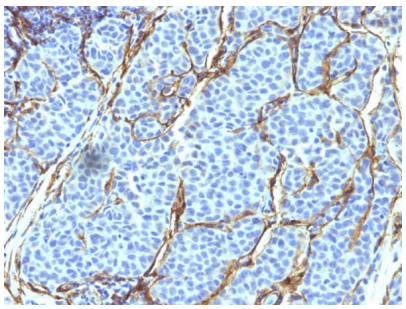
Anti-NGF-Receptor (p75) / CD271 (Soft Tissue Tumor Marker) Monoclonal Antibody (M01187) Images



Formalin-fixed, paraffin-embedded human Melanoma stained with Anti-NGFR Monoclonal Antibody (SPM299).

3 Publications Citing This Product

1. PubMed ID: 10.2147/TCRM.S182325, The expressions of NGF and VEGF in the fracture tissues are closely associated with accelerated clavicle fracture healing in patients with traumatic brain injury

2. PubMed ID: 22684116, Establishment of immortalized Schwann cells derived from rat embryo dorsal root ganglia

3. PubMed ID: 22860120, Derivation of corneal endothelial cell-like cells from rat neural crest cells in vitro

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