

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

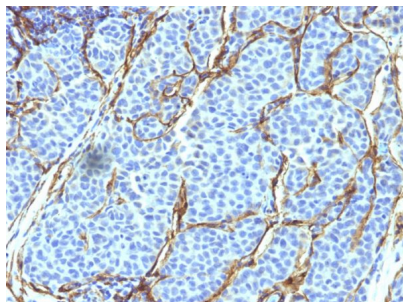
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| Product Name | Anti-NGF-Receptor (p75) / CD271 (Soft Tissue Tumor Marker) Monoclonal Antibody |
| Reactive Species | Ferret, Human, Monkey, Rabbit, Cat, Baboon |
| Description | Boster Bio Anti-NGF-Receptor (p75) / CD271 (Soft Tissue Tumor Marker) 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

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| 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 | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Flow Cytometry (1-2ug/million cells)</p> <p>Immunofluorescence (1-2ug/ml)</p> <p>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)</p> <p>Optimal dilution for a specific application should be determined.</p> |

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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