NGF-Receptor (p75) / CD271 (Soft Tissue Tumor Marker) Antibody

Mouse Monoclonal Antibody [Clone NGFR5]

Catalog No	Format	Size
4804-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4804-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4804-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

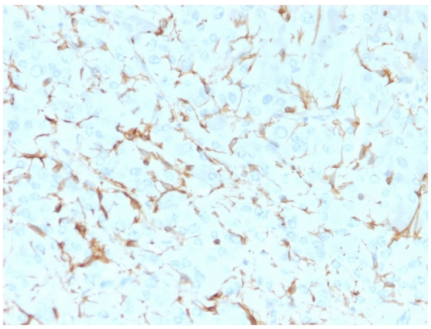
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

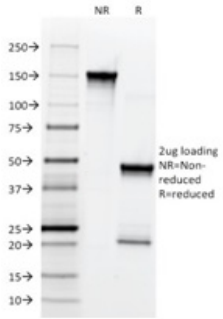
Clone	NGFR5
Gene Name	NGFR
Immunogen	NGFR from A875 melanoma cells
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	75kDa
Cellular Localization	Cell membrane, Cell projection, Dendritic spine, Growth cone, Perikaryon
Species Reactivity	Baboon, Cat, Ferret, Human, Monkey, Rabbit
Positive Control	Neurofibroma. Soma and axons of sensory neurons and ganglionic satellite cells. Melanomas., Neuronal axons, Schwann cells and perineural cells of peripheral nerves or tumors of nerve sheath differentiation e. G. Schwannoma

**Optimal dilution for a specific application should be determined.*

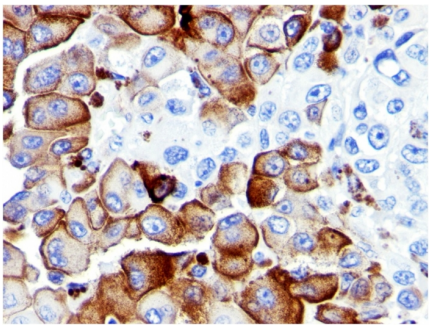
Product Images for NGF-Receptor (p75) / CD271 (Soft Tissue Tumor Marker) Antibody



Formalin-fixed, paraffin-embedded human Adrenal Gland stained with NGFR Mouse Monoclonal Antibody (NGFR5).



SDS-PAGE Analysis of Purified NGFR Mouse Monoclonal Antibody (NGFR5). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Melanoma stained with NGFR Mouse Monoclonal Antibody (NGFR5).

Specificity & Comments

It 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.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

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.

Research Areas

AKT Signaling, Mesenchymal Stem Cell Differentiation, Neuroscience, Nuclear Marker, Signal Transduction, Stem Cell Differentiation

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.