

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

Mouse Monoclonal Antibody [Clone NGFR/4919]

Catalog No	Format	Size
4804-MSM11-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4804-MSM11-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4804-MSM11-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

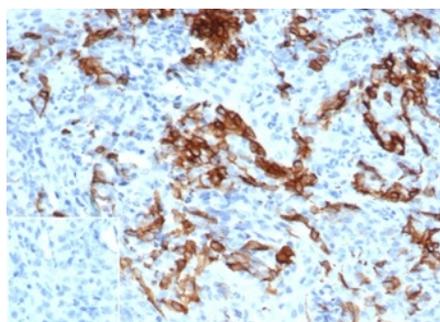
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

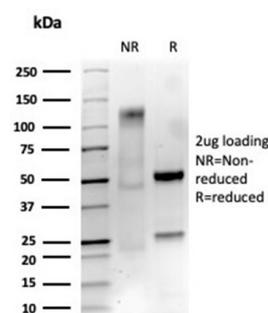
Clone	NGFR/4919
Gene Name	NGFR
Immunogen	Recombinant full-length human NGFR protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	75kDa
Cellular Localization	Cell membrane, Cell projection, Dendritic spine, Growth cone, Perikaryon
Species Reactivity	Human
Positive Control	Neuronal axons, perineural cells of peripheral nerves, Schwann cells, tumors of nerve sheath differentiation. Melanomas.

*Optimal dilution for a specific application should be determined.

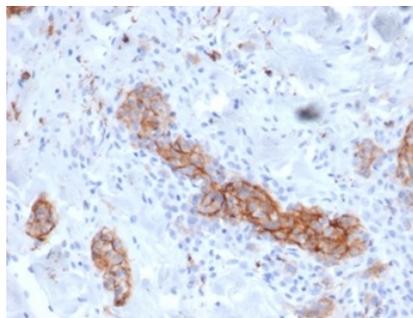
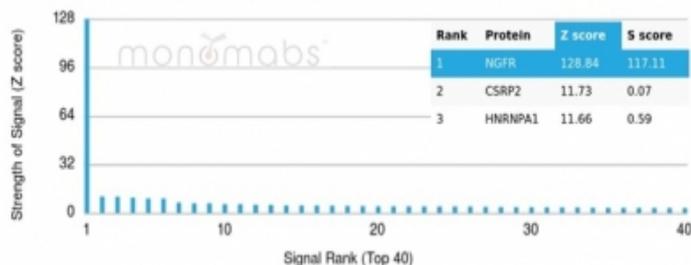
Product Images for NGF-Receptor (p75) / CD271 (Soft Tissue Tumor Marker) Antibody



Formalin-fixed, paraffin-embedded human melanoma stained with NGFR Mouse Monoclonal Antibody (NGFR/4919) at 2ug/ml. Inset: PBS instead of primary antibody; secondary only negative control.



SDS-PAGE Analysis of Purified NGFR Mouse Monoclonal Antibody (NGFR/4919). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human melanoma stained with NGFR Mouse Monoclonal Antibody (NGFR/4919) at 2ug/ml. HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Analysis of Protein Array containing more than 19,000 full-length human proteins using NGFR-Monospecific Mouse Monoclonal Antibody (NGFR/4919). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

Specificity & Comments

It recognizes a glycoprotein of 75kDa, identified as low affinity Nerve Growth Factor (NGF) Receptor (p75^{NGFR}) or Neurotrophin Receptor (p75^{NTR}). NGFR is expressed in various neural crest cells and their tumors such as melanocytes, melanomas, neuroblastomas, pheochromocytomas and neurofibromas. Reportedly, anti-NGFR is a reliable marker for desmoplastic and neurotropic melanomas. NGFR is expressed in mature non-neural cells such as perivascular cells, dental pulp cells, lymphoid follicular dendritic cells, basal epithelium of oral mucosa and hair follicles, prostate basal cells, and myoepithelial cells. Anti-NGFR stains the myoepithelial cells of breast ducts and intra-lobular fibroblasts of breast ducts.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein 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.