



# NGF-Receptor (p75) / CD271 (Soft Tissue Tumor Marker); Clone NGFR5 & NTR/912 (Concentrate)

<b>Availability/Contents:</b>	<u>Item #</u>	<u>Volume</u>
	RA0249-C.5	0.5 ml
<b>Description:</b>		
Species:	Mouse	
Immunogen:	Recombinant human p75 NGFR protein	
Clone:	NGFR5 & NTR/912	
Isotype:	IgG1, kappa (NGFR5); IgG1, kappa (NTR/912)	
Entrez Gene ID:	4804 (Human)	
Hu Chromosome Loc.:	17q21-22	
Synonyms:	CD271; Gp80-LNGFR; Low affinity nerve growth factor receptor; Low affinity neurotrophin receptor p75NTR; Nerve growth factor receptor (NGFR); TNFR superfamily member 16; p75 ICD; p75 Neurotrophin receptor; Tumor necrosis factor receptor superfamily member 16 (TNFRSF16)	
Mol. Weight of Antigen:	75kDa	
Format:	200µg/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.	
Specificity:	Recognizes a glycoprotein of 75kDa, identified as low affinity Nerve Growth Factor (NGF) Receptor (p75, NGFR) or Neurotrophin Receptor (p75, NTR). Reportedly, anti-NGFR is a reliable marker for desmoplastic and neurotropic melanomas. Anti-NGFR stains the myoepithelial cells of breast ducts and intra-lobular fibroblasts of breast ducts.	
Background:	NGFR is expressed in various neural crest cells and their tumors such as melanocytes, melanomas, neuroblastomas, pheochromocytomas, and neurofibromas. NGFR is also 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.	
Species Reactivity:	Human and Non-human Primates. Does not react with Mouse and Rat. Others not known.	
Positive Control:	Neuronal axons, Schwann cells, and perineural cells of peripheral nerves, or tumors of nerve sheath differentiation, e.g. Schwannoma, Neurofibroma. Soma and axons of sensory neurons, and ganglionic satellite cells. Melanomas.	
Cellular Localization:	Cell surface and cytoplasmic	
Titer/ Working Dilution:	Immunohistochemistry (Frozen and Formalin-fixed): 0.5-1 µg/ml Flow Cytometry: 0.5-1 µg/million cells Immunofluorescence: 1-2 µg/ml Western Blotting: 0.5-1 µg/ml Immunoprecipitation: 1-2 µg/500µg protein lysate	
Microbiological State:	This product is not sterile.	

Storage: 2° C  8° C

 ScyTek Laboratories, Inc.  
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U.S.A.

  EmergoEurope (31)(0) 70 345-8570  
Molsnstraat 15  
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**Uses/Limitations:** Not to be taken internally.  
For Research Use Only.  
This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.  
Do not use if reagent becomes cloudy.  
Do not use past expiration date.  
Non-Sterile.

**Ordering Information and Current Pricing at [www.scytek.com](http://www.scytek.com)**

**Procedure:**


1. **Tissue Section Pretreatment (Required):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with Citrate Plus (ScyTek catalog# CPL500).
2. **Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.
3. **Visualization:** For maximum staining intensity we recommend the “UltraTek HRP Anti-Polyvalent Lab Pack” (ScyTek catalog# UHP125, see IFU for instructions) combined with the “DAB Chromogen/Substrate Bulk Pack (High Contrast)” (ScyTek catalog# ACV500, see IFU for instructions).


**Precautions:** Contains Sodium Azide as a preservative (0.09% w/v).  
Do not pipette by mouth.  
Avoid contact of reagents and specimens with skin and mucous membranes.  
Avoid microbial contamination of reagents or increased nonspecific staining may occur.  
This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.

**References:**

1. Soland, T.M., et al. 2008. Nerve growth factor receptor (p75NTR) and pattern of invasion predict poor prognosis in oral squamous cell carcinoma. *Histopathology* 53: 62-72.
2. Wang, W., et al. 2009. Patterns of expression and function of the p75NGFR protein in pancreatic cancer cells and tumours. *Eur. J. Surg. Oncol.* 35: 826-832.


**Warranty:** No products or “Instructions For Use (IFU)” 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 IFU or website. Our warranty is limited to the actual price paid for the product. ScyTek Laboratories, Inc. is not liable for any property damage, personal injury, time or effort or economic loss caused by our products. Immunohistochemistry is a complex technique involving both histological and immunological detection methods. Tissue processing and handling prior to immunostaining can cause inconsistent results. Variations in fixation and embedding or the inherent nature of the tissue specimen may cause variations in results. Endogenous peroxidase activity or pseudoperoxidase activity in erythrocytes and endogenous biotin may cause non-specific staining depending on detection system used.

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