

**Mouse Anti-Nerve Growth Factor Receptor (NGFR)/p75 [NGFR5 + NTR/912]: MC0883, MC0883RTU7**

**Intended Use:** For Research Use Only

**Description:** NGFR, also known as p75NTR, is a receptor of neurotrophins and involved in survival, differentiation and apoptosis of neuron. It is expressed in neuronal cells in various tissues and tumors with neuronal origin. Recent studies suggested that NGFR is also expressed in melanocytes, myoepithelial cells, basal-like cells, perivascular cells and lymphoid dendritic cells. NGFR is helpful in identification of perineural invasion of malignant skin tumors with a panel of antibodies. It is also a complementary marker to S-100 for identification of desmoplastic melanomas. In addition, NGFR maybe used in identifying myoepithelial or basal-like cell differentiation in breast cancer.

**Specifications**

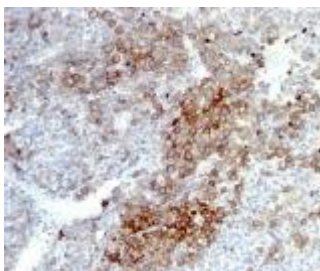
Clone:	NGFR5 + NTR/912
Source:	Mouse
Reactivity:	Human
Isotype:	IgG's
Localization:	Cytoplasm, membrane
Formulation:	Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN <sub>3</sub> )
Storage:	Store at 2°- 8°C
Applications:	IHC, Flow Cyt., IF
Package:	

Description	Catalog No.	Size
Nerve Growth Factor Receptor (NGFR)/p75 Concentrated	MC0883	1 ml
Nerve Growth Factor Receptor (NGFR)/p75 Prediluted	MC0883RTU7	7 ml

**IHC Procedure\***

Positive Control Tissue:	Neuroblastoma, brain, breast, prostate, CNS tumor
Concentrated Dilution:	50-200
Pretreatment:	Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human melanoma stained with anti-NGFR using DAB

**References:**

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