

**Mouse (monoclonal)
Anti-NGF Receptor (p75^{NGFR})
Unconjugated**

PRODUCT ANALYSIS SHEET

Catalog Number:	AHU0302
Lot Number:	See product label
Quantity/Volume:	100 µg/0.5 mL
Clone Number:	NGFR5
Isotype:	IgG ₁ / κ (mouse)
Form of Antibody:	Purified immunoglobulin in phosphate buffered saline, pH 7.4, with 0.2% bovine serum albumin.
Preservation:	0.09% sodium azide (Caution: sodium azide is a poisonous and hazardous substance. Handle with care and dispose of properly.)
Purification:	Purified from ascites by Protein G chromatography.
Immunogen:	NGFR from A875 melanoma cells
Specificity:	Nerve Growth Factor (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 Nerve Growth Factor (NGF) Receptor (p75 ^{NGFR}) or Neurotrophin Receptor (p75 ^{NTR})
Species Reactivity:	Human, monkey (<i>Cebus apella</i> , <i>Macaca fascicularis</i> , <i>Macaca mulatta</i> , and <i>Macaca nemestrina</i>), baboon (<i>Papio anubis</i>), cat, rabbit, ferret. This antibody does not react with mouse or rat cells.
Applications:	This antibody is suitable for use in flow cytometry, immunofluorescence.
Suggested Working Dilutions:	The optimal dilution should be determined by investigator.
Recommended Positive Control:	Melanoma.
Storage:	Store at 2-8°C.
Expiration Date:	Expires one year from date of receipt when stored as instructed.

For research use only. CAUTION: Not intended for human or animal therapeutic or diagnostic use.

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References:

Bamji S.X., *et al.* (1998) The p75 neurotrophin receptor mediates neuronal apoptosis and is essential for naturally occurring sympathetic neuron death. *J. Cell Biol.* 140(4):911-923.

Bothwell M. (1996) p75^{NTR}: a receptor after all. *Science* 272:506-507.

Bunone G., *et al.* Induction of apoptosis by p75 neurotrophin receptor in human neuroblastoma cells. *Oncogene* 14(12):1463-1470.

Marano N., *et al.* (1987) Purification and amino terminal sequencing of human melanoma nerve growth factor receptor. *J. Neurochem.* 48(1):225-232.

Thompson S.J., *et al.* (1989) A monoclonal antibody against nerve growth factor receptor. Immunohistochemical analysis of normal and neoplastic human tissue. *Am. J. Clin. Pathol.* 92(4):415-423.

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		In vitro diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

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