

Mouse Monoclonal Antibody to NGFR

Catalogue Number	sAP-0342
Target Molecule	Name: NGFR Aliases: CD271; p75NTR; TNFRSF16; p75(NTR); Gp80-LNGFR; NGFR MW: 45kDa Entrez Gene ID: 4804
Description	Nerve growth factor 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. NGFR p75 plays a central role in the regulation of cell number by apoptosis in the developing CNS. During early development, activation of NGFR p75 by NGF induces apoptotic cell death in some neuronal cells, probably through activation of the sphingomyelinase/ceramide pathway, the ICE like proteases and the JNK pathway. In rat Schwann cells, NGF binding to NGFR p75 activates NF kappaB, possibly to modulate Schwann cell migration during nerve regeneration. CD271 has recently been
Immunogen	Purified recombinant fragment of human NGFR expressed in E. Coli.
Recitative Species	Human
Clone	MM2F1C2;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. J Invest Dermatol. 1992 Dec;99(6):734-42. ; 2. Nature. 1997 Aug 7;388(6642):548-54. ; 3. Exp Neurol. 2002 Nov;178(1):104-11. ; 4. Science. 2004 May 7;304(5672):870-5.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**