

Product datasheet for AM06398SU-N

p75 NGF Receptor (NGFR) Mouse Monoclonal Antibody [Clone ID: 2F1C2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2F1C2
Applications:	ELISA, FC, IF, WB
Recommend Dilution:	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. Flow cytometry: 1/200 - 1/400. ELISA: 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human NGFR expressed in E. Coli. The immunogen consists of AA: 1-200
Specificity:	This antibody reacts to NGFR.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Predicted Protein Size:	45 kDa
Database Link:	Entrez Gene 4804 Human
Background:	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 described as being expressed in mesenchymal stem cells (bone marrow stromal cells)

AMS BIO | www.amsbio.com | info@amsbio.com

 **UK & Rest of the World**
184 Park Drive, Milton Park
Abingdon OX14 4SE, UK
T: +44 (0)1235 828 200
F: +44 (0) 1235 820 482

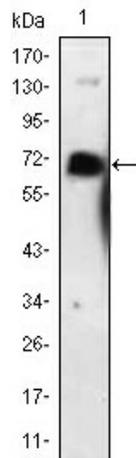
 **North America**
1035 Cambridge Street,
Cambridge, MA 02141
T: +1 (617) 945-5033 or
T: +1 (800) 987-0985
F: +1 (617) 945-8218

 **Germany**
Bockenheimer Landstr. 17/19
60325 Frankfurt/Main
T: +49 (0) 69 779099
F: +49 (0) 69 13376880

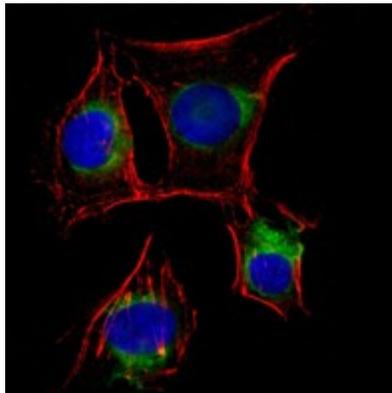
 **Switzerland**
Centro Nord-Sud 2E
CH-6934 Bioggio-Lugano
T: +41(0) 91 604 55 22
F: +41(0) 91 605 17 85

Synonyms: TNFRSF16

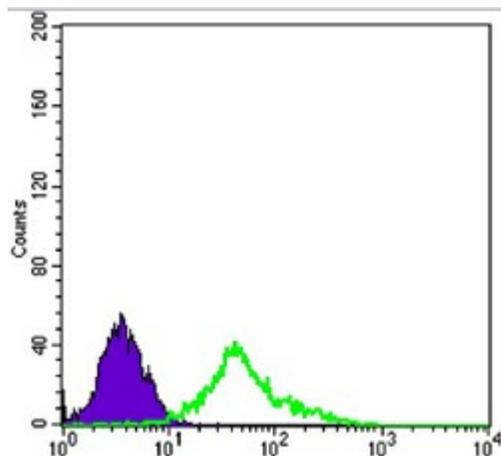
Product images:



Western blot analysis using NGFR mouse mAb against NGFR-hlgGFc transfected HEK293 cell lysate.



Immunofluorescence analysis of EC cells using NGFR mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of EC cells using NGFR mouse mAb (green) and negative control (purple).

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F: +41(0) 91 605 17 85