

Datasheet for ABIN969315

anti-NGFR antibody[Go to Product page](#)**3** Images**2** Publications

Overview

Quantity:	100 µL
Target:	NGFR
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human NGFR expressed in E. coli.
Clone:	2F1C2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	NGFR
Alternative Name:	NGFR (NGFR Products)
Background:	<p>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.</p> <p>NGFR p75 plays a central role in the regulation of cell number by apoptosis in the developing</p>

Target Details

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).

Aliases: CD271, p75NTR, TNFRSF16, p75(NTR), Gp80-LNGFR, NGFR

Molecular Weight: 45 kDa

Gene ID: 4804

HGNC: 4804

Pathways: [NF-kappaB Signaling](#), [Neurotrophin Signaling Pathway](#), [Carbohydrate Homeostasis](#), [Growth Factor Binding](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

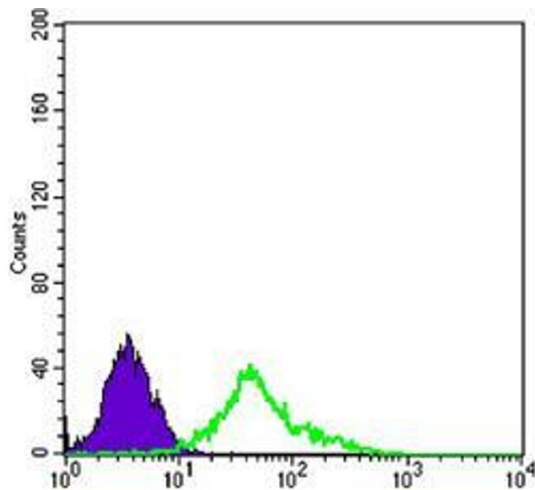
Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Toka, Dunaway, Smaltz, Szulc-Dąbrowska, Drnevich, Mielcarska, Bossowska-Nowicka, Schweizer: "Bacterial and viral pathogen-associated molecular patterns induce divergent early transcriptomic landscapes in a bovine macrophage cell line." in: **BMC genomics**, Vol. 20, Issue 1, pp. 15, (2019) ([PubMed](#)).

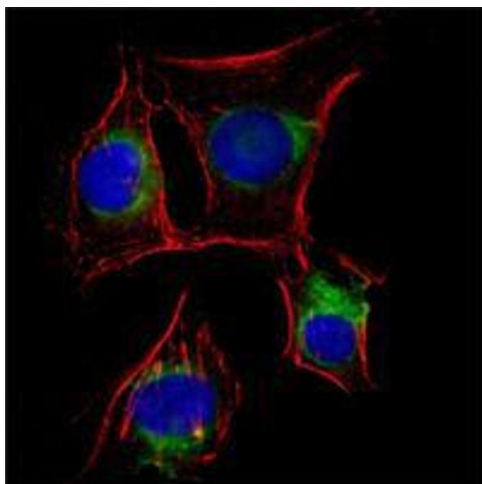
Murakami, Maeda, Yonezawa, Matsuki: "CC chemokine ligand 2 and CXC chemokine ligand 8 as neutrophil chemoattractant factors in canine idiopathic polyarthritis." in: **Veterinary immunology and immunopathology**, Vol. 182, pp. 52-58, (2016) ([PubMed](#)).

Images



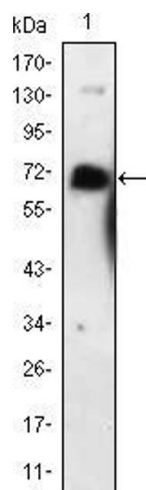
Flow Cytometry

Image 1. Flow cytometric analysis of EC cells using NGFR mouse mAb (green) and negative control (purple).



Immunofluorescence

Image 2. 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.



Western Blotting

Image 3. Western blot analysis using NGFR mouse mAb against NGFR-hlgGfc transfected HEK293 cell lysate.