

30-2812: Anti-Hu CD271 Purified

Clonality :	Monoclonal
Clone Name :	NGFR5
Application :	FACS, IP, WB, IHC, ICC, MC
Reactivity :	Human, Rabbit, Cat, Non-human primates, Ferret
Gene :	NGFR
Gene ID :	4804
Uniprot ID :	P08138
Format :	Purified
Alternative Name :	nerve growth factor receptor TNFRSF16, NGFR, p75NTR, p75NGFR
Immunogen Information :	Purified CD271 protein isolated from human melanoma cell line A875

Description

CD271 / NGFR, also known as p75NGFR or p75NTR, is a 75 kDa low affinity receptor for the NGF (nerve growth factor), BDNF (brain-derived growth factor), and other neurotrophins, such as NT3 and NT4/5. Unlike other members of the tumor necrosis factor receptor superfamily of transmembrane proteins, CD271 has unique intracellular domain structure (lacks catalytic activity) and downstream signaling partners. Triggered by its ligands CD271 affects growth, differentiation, migration and death of the nervous system cells.

Specificity : The mouse monoclonal antibody NGFR5 (originally C34C) recognizes an epitope within amino acids 1 - 160 of CD271/NGFR, a 75 kDa transmembrane glycoprotein of the TNFR superfamily.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography.
Content :	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Immunohistochemistry (paraffin sections): Recommended dilution: 1-2 $\mu\text{g/ml}$; Positive tissue: melanoma, heat-mediated antigen retrieval.

Flow cytometry: Extracellular and intracellular staining; recommended dilution: 1-4 $\mu\text{g/ml}$.