

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse NgR in direct ELISAs and Western blots. In direct ELISAs and Western blots, this antibody does not cross-react with recombinant human NgR.
Source	Monoclonal Rat IgG _{2B} Clone # 202604
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse NgR Cys27-Ser447 Accession # Q99PI8
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the [Technical Information](#) section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

NgR, also named reticulon 4 receptor, is a glycosylphosphoinositol (GPI)-anchored protein that belongs to the family of leucine-rich repeat proteins. NgR plays an essential role in mediating axon growth inhibition induced by the myelin-derived proteins Nogo, myelin-associated glycoprotein (MAG), and myelin oligodendrocyte glycoprotein (OMgp). Upon ligand binding, NgR associates with and activates the p75 neurotrophin receptor (p75NTR), a tumor necrosis factor superfamily member (TNFRSF16).

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