

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human NgR2/NgRH1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) NgR3 or rhNgR is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 333413
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human NgR2/NgRH1 Ala28-Leu401 Accession # Q86UN3
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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

NgR2, also known as reticulon 4 receptor-like 2 and NgRH1, is a 60 kDa glycosylphosphatidylinositol-anchored protein that is expressed primarily in the brain. It contains eight leucine-rich repeats that are flanked by cysteine-rich sequences at both the N- as well as the C-terminus. Membrane-anchored NgR2 can be solubilized through the action of phospholipase or an unidentified MT-MMP to generate a 46 kDa soluble receptor. Mature human NgR2 shares 48% aa sequence identity with human NgR3. It also shares 96% aa sequence identity with mouse and rat mature NgR2.

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