

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human NgR3/NgRH2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human NgRH1 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 319123
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human NgR3/NgRH2 Cys25-Ala419 Accession # Q86UN2
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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

NgR3, a Nogo-66 receptor homolog alternately known as reticulon 4 receptor-like 1, Nogo receptor homolog 2 (NgRH2), or NgR3, is an approximately 60 kDa glycosylphosphatidylinositol-anchored glycoprotein expressed primarily in the brain. It contains eight leucine-rich repeats (LRR) flanked by conserved cysteines. Although LRR are typically involved in protein-protein interactions, NgR3 has not been shown to bind known Nogo-66 receptor ligands. Mature human NgR3 shares 88%, 88%, 48% and 44% amino acid identity with mature mouse NgR3, rat NgR3, human NgRH1 and human NgR, respectively.

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