

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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Human NgR3/NgRH2

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.