

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LINGO-1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) LINGO-2 or rhLINGO-3 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 332233
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human LINGO-1 Thr40-Thr556 Accession # NP_116197
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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

LINGO-1 (LRRN6A) is a 614 aa transmembrane protein of the leucine-rich repeat (LRR) family, ribonuclease inhibitor subfamily. The four known LINGO proteins contain LRR and IgCAM domains in the extracellular portion and share 44-61% aa identity. LINGO-1 is restricted to the nervous system and is concentrated in the brain as a component of the NgR1/p75 and NgR1/Taj (TROY) signaling complexes. LINGO-1 negatively regulates neurite outgrowth and myelination. LINGO-1 is highly conserved, showing 99% aa identity between human, mouse and rat.

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