

DESCRIPTION

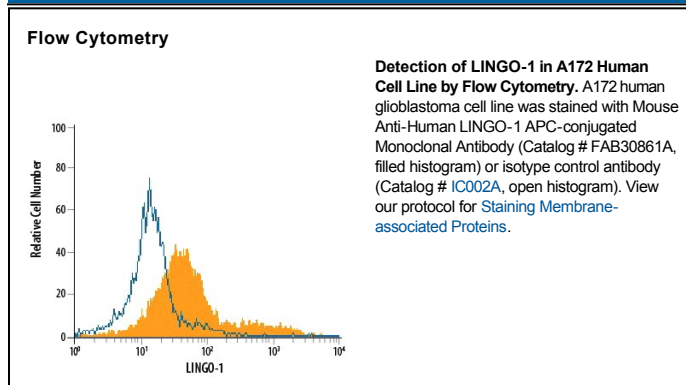
Species Reactivity	Human
Specificity	Detects human LINGO-1 in direct ELISA and Western blot. In direct ELISA and Western blot, approximately 10% cross-reactivity with recombinant human (rh) LINGO-2 is observed and no cross-reactivity with rhLINGO-3 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 332237
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	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.

	Recommended Concentration	Sample
Flow Cytometry	10 μ L/10 ⁶ cells	See Below

DATA



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 amino acid (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 sequence 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 sequence identity between human, mouse and rat.