# Human LINGO-2
# Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse $IgG_{2A}$ Clone # 382007

Catalog Number: FAB36791G

100 µg

## DESCRIPTION

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|---|---|
| **Species Reactivity** | Human |
| **Specificity** | Detects human LINGO-2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human LINGO-1 is observed. |
| **Source** | Monoclonal Mouse $IgG_{2A}$ Clone # 382007 |
| **Purification** | Protein A or G purified from hybridoma culture supernatant |
| **Immunogen** | Mouse myeloma cell line NS0-derived recombinant human LINGO-2<br>Cys28-Leu542<br>Accession # Q7L985 |
| **Conjugate** | Alexa Fluor 488<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm |
| **Formulation** | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.<br><br>*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** | 0.25-1 µg/$10^6$ cells | A549 human lung carcinoma cell line and and HEK293 human embryonic kidney cell line either transfected with human LINGO-2 and eGFP |

## PREPARATION AND STORAGE

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| **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.**<br>● 12 months from date of receipt, 2 to 8 °C as supplied. |

## BACKGROUND

Human LINGO-2 (LRR and Ig domain-containing, Nogo Receptor-interacting protein 2; also known as Leucine-rich repeat neuronal 6C (LRRN6C) or LERN3), type I transmembrane protein in the neuronal leucine-rich repeat family. These proteins have a signal peptide, 12 extracellular leucine-rich repeats flanked by N-terminal and C-terminal cysteine-rich sequences, an immunoglobulin-like domain, a transmembrane domain and a short cytoplasmic tail. An alternate start site may exist at Met148 of the precursor. Human LINGO-2 is a highly conserved, 606 amino acid protein that shares 99% and 98% aa sequence identity with canine and mouse LINGO-2, respectively. LINGO-2 presumably functions outside the CNS with little involvement by p75/NgR1.

## PRODUCT SPECIFIC NOTICES

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