

## DESCRIPTION

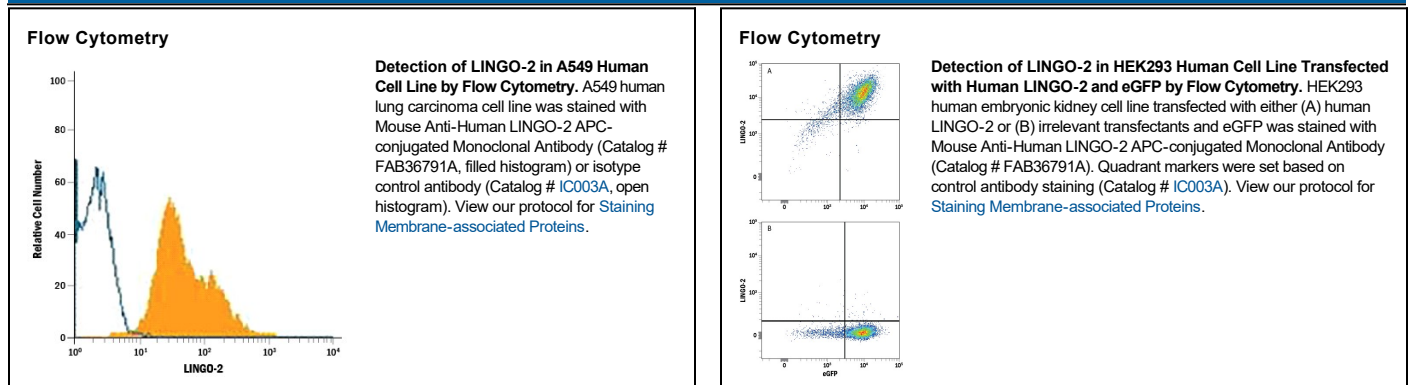
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human LINGO-2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human LINGO-1 is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 382007
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human LINGO-2 Cys28-Leu542 Accession # Q7L985
<b>Conjugate</b>	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
<b>Formulation</b>	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
<b>Flow Cytometry</b>	10 $\mu$ L/10 <sup>6</sup> cells	See Below

## DATA



## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## 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 (aa) 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<sup>Nrg1</sup>.