

**DESCRIPTION**

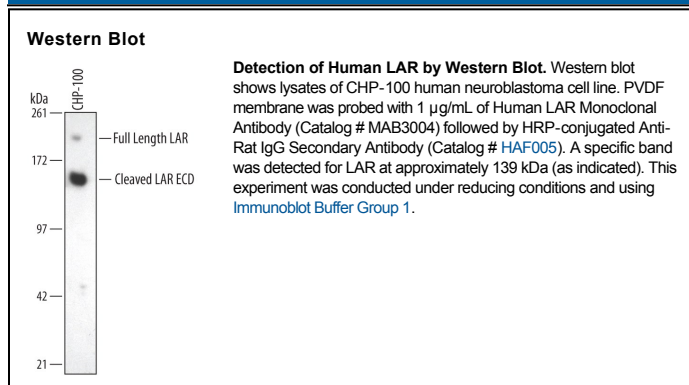
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects endogenous human LAR in Western blots. In Western blots, this antibody detects both full-length protein and the cleaved LAR extracellular domain (ECD). It does not cross-react with recombinant human PTPRM, PTPRK, DEP1, or PTPRY.
<b>Source</b>	Monoclonal Rat IgG <sub>1</sub> Clone # 384727
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human LAR Ala27-Glu1251 Accession # NP_569707
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 µg/mL	See Below

**DATA**



**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**BACKGROUND**

Leukocyte Antigen-Related (LAR) tyrosine phosphatase, also known as Protein Tyrosine Phosphatase, Receptor-type F (PTPRF), is an integral membrane protein with anon-glycosylated molecular weight of 207 kDa. The extracellular domain is cleaved near the cell membrane by a subtilisin-like endoprotease to a molecular weight of 139 kDa. Depending on cellular conditions, the extracellular domain may remain associated with the rest of the molecule or can be shed into the extracellular medium.