

Product Datasheet

Anti-LAR/PTPRF (Receptor-Type Tyrosine-Protein Phosphatase) Antibody FL490 Conjugate



Overview

Catalog #	75-193-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2a
Clone Number	N165/38
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC
Species Reactivity	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 1315-1607 (cytoplasmic C-terminus) of human LAR (accession number P10586) produced recombinantly in E. Coli
Molecular Weight and intracellular domains)	85 kDa (full-length is 210 kDa, smaller due to proteolysis into P-subunit containing transmembrane
Cite this Antibody	Antibodies Inc Cat# 75-193-FL490, RRID: AB_2939712

Details

Target Description	Receptor-type tyrosine-protein phosphatase F or Leukocyte Common Antigen Related protein is encoded by the gene PTPRF and is a member of the protein tyrosine phosphatase (PTP) family. PTPRF is a transmembrane protein involved in regulation of insulin signaling, cell proliferation and cell migration. PTPRF functions in the regulation of epithelial cell-cell contacts at adherens junctions, as well as in the control of beta-catenin signaling. PTPRF is ubiquitously expressed. Diseases associated with PTPRF include Aplasia or hypoplasia of the breasts and/or nipples 2
Specificity	Does not cross-react with PTPRD or PTPRS
Purification Method	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.

Quality Control Tests

Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.

Storage

Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.

Our Guarantee

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

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