

Product datasheet for **AM60045PU-N**

LAR (PTPRF) (C-term, Cytopl. Dom.) Mouse Monoclonal Antibody [Clone ID: S165-38]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S165-38
Applications:	IF, WB
Recommended Dilution:	Western blot: 1/1000; 1µg/ml was sufficient for detection of PTPRF in 20 µg of rat brain lysate by colorimetric immunoblot using HRP conjugated secondary antibody. Immunocytochemistry.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 1315-1607 (cytoplasmic C-terminus) of human PTPRF protein.
Specificity:	This antibody detects a 85 kDa protein (full length protein is 210 kDa – smaller due to proteolysis into P-subunit containing transmembrane and intracellular domains. >80% identity with PTPRD and PTPRS, >50% identity with PTPRM and PTPRK.
Formulation:	PBS pH 7.4, 50% Glycerol, 0.09% Sodium azide State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Protein G chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	protein tyrosine phosphatase, receptor type F
Database Link:	Entrez Gene 5792 Human P10586



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Background:	PTPRF or leukocyte common antigen-related protein (LAR) is a widely expressed protein tyrosine phosphatase with an extracellular receptor region that resembles a cell adhesion molecule. PTPRF removes phosphate group from β -catenin, an event that may subsequently facilitate cell-cell adhesion and ensure the stability of the cadherin complex. This phosphatase has also been implicated in various cellular processes such as neurite growth, nerve regeneration, actin remodeling and regulation of insulin function (1,2,3,4).
Synonyms:	PTPRF, LAR, Receptor-type tyrosine-protein phosphatase F, EC=3.1.3.48, Leukocyte common antigen related