Datasheet for ABIN7013915

anti-PTPRF antibody (PE)

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Overview

Quantity:	100 µg
Target:	PTPRF
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PTPRF antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Hu LAR PE
Immunogen:	WERI-RB-1 retinoblastoma cells
Clone:	W7C6
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody W7C6 recognizes an extracellular epitope of protein tyrosine phosphatase LAR, a marker of mesenchymal stem cells.
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	PTPRF

Target Details

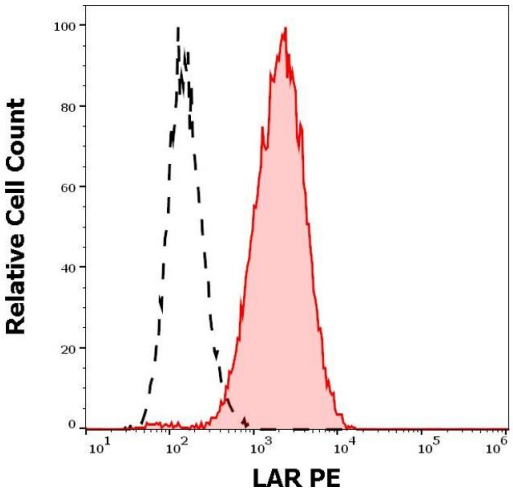
Alternative Name:	LAR (PTPRF Products)
Background:	Protein tyrosine phosphatase receptor type F,LAR is a receptore-linked transmembrane protein tyrosine phosphatase expressed on mesenchymal stem cells, that reside e.g. in bone marrow, blood, placenta, adipose tissue, or skin, as well as it is expressed on some carcinoma cell lines, including HeLa, MCF-7, or HT29. During the process of externalization, LAR is intracellularly proteolytically processed into two non-covalently associated subunits. This protein is involved in intercellular and cell-matrix interactions and its extracellular part resembles that of cell adhesion molecules (CAMs). The extracellular part can be released from the surface, which may be used for regulation of LAR function.,Leucocyte common antigen related molecule, PTPRF, W7C6
Gene ID:	5792
UniProt:	G1UI20
Pathways:	EGFR Signaling Pathway

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 2-5 µg/mL
Restrictions:	For Research Use only

Handling

Concentration:	0.1 mg/mL
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



Flow Cytometry

Image 1. Separation of HeLa cells stained using anti-human LAR (W7C6) PE antibody (concentration in sample 0,5 µg/mL, red-filled) from HeLa cells stained using mouse IgG1 isotype control (MOPC-21) PE antibody (concentration in sample 0,5 µg/mL, black-dashed) in flow cytometry analysis (surface staining) of HeLa cell suspension.