Datasheet for ABIN7013913

# anti-PTPRF antibody

## 1 Image

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## Overview

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| Quantity: | 0.1 mg |
| Target: | PTPRF |
| Reactivity: | Human, Non-Human Primate |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This PTPRF antibody is un-conjugated |
| Application: | Flow Cytometry (FACS) |

## Product Details

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| 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 by protein-A affinity chromatography. |

## Target Details

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| Target: | PTPRF |
| Alternative Name: | LAR (PTPRF Products) |
| Background: | Protein tyrosine phosphatase receptor type F,LAR is a receptore-linked transmembrane protein |

## Target Details

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| | 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

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| Application Notes: | Flow cytometry: Recommended dilution: 1-4 µg/mL |
| Restrictions: | For Research Use only |

## Handling

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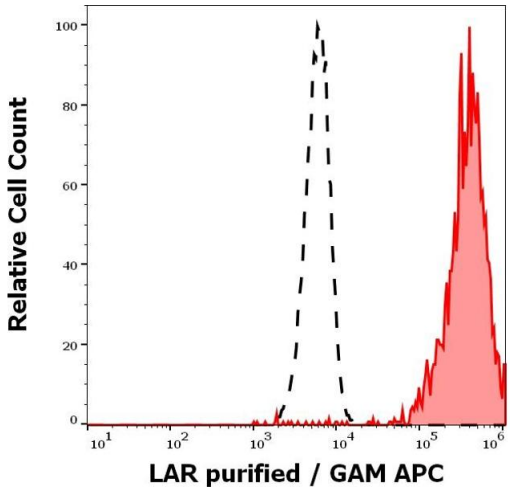
|---|---|
| Concentration: | 1 mg/mL |
| Buffer: | Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C |
| Storage Comment: | Store at 2-8°C. Do not freeze. |




**Flow Cytometry**

**Image 1.** Separation of HeLa cells stained using anti-human LAR (W7C6) purified antibody (concentration in sample 1.67 µg/mL, GAM APC, red-filled) from HeLa cells unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).