

RecombAb™

HuAb

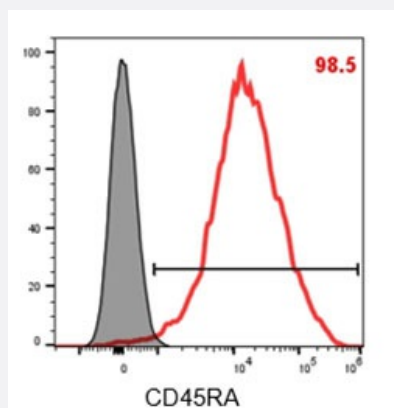
CellTx™

# CD45RA humanized monoclonal antibody, clone C1D

Catalog # RAB01125-M01J

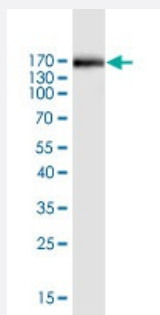
Size 50 ug

## Applications



### Flow Cytometry

Flow cytometric analysis of human CRC CD3 T cells were treated with CD45RA Humanized monoclonal antibody, clone C1D (Cat # RAB01125-M01J) to activated human CD3 T cells.



Western Blot detection against Immunogen.

## Specification

|                            |  |
|----------------------------|--|
| <b>Product Description</b> | Humanized recombinant monoclonal antibody raised against CD45RA. |
| <b>Antibody Species</b>    | Human  |
| <b>Immunogen</b>           | Human CD45RA recombinant protein                                 |
| <b>Reactivity</b>          | Human  |
| <b>Form</b>                | Liquid   |

|                                |   |
|--------------------------------|---|
| <b>Purification</b>            | Protein A sepharose   |
| <b>Isotype</b>                 | Human IgG1  |
| <b>Quality Control Testing</b> | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen. |
| <b>Storage Buffer</b>          | In PBS, pH 7.4  |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                    |

## Applications

- Flow Cytometry

Flow cytometric analysis of human CRC CD3 T cells were treated with CD45RA Humanized monoclonal antibody, clone C1D (Cat # RAB01125-M01J) to activated human CD3 T cells.

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — PTPRC

|                         |  |
|-------------------------|--|
| <b>Entrez GeneID</b>    | <a href="#">5788</a>   |
| <b>Gene Name</b>        | PTPRC  |
| <b>Gene Alias</b>       | B220, CD45, CD45R, GP180, LCA, LY5, T200                             |
| <b>Gene Description</b> | protein tyrosine phosphatase, receptor type, C                       |
| <b>Omim ID</b>          | <a href="#">126200</a> <a href="#">151460</a> <a href="#">609532</a> |
| <b>Gene Ontology</b>    | <a href="#">Hyperlink</a>  |

**Gene Summary**

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains an extra cellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus belongs to receptor type PTP. This gene is specifically expressed in hematopoietic cells. This PTP has been shown to be an essential regulator of T- and B-cell antigen receptor signaling. It functions through either direct interaction with components of the antigen receptor complexes, or by activating various Src family kinases required for the antigen receptor signaling. This PTP also suppresses JAK kinases, and thus functions as a regulator of cytokine receptor signaling. Four alternatively spliced transcripts variants of this gene, which encode distinct isoforms, have been reported. [provided by RefSeq]

**Other Designations**

CD45 antigen|T200 glycoprotein|T200 leukocyte common antigen|glycoprotein|leukocyte-common antigen|protein tyrosine phosphatase, receptor type, c polypeptide

**Pathway**

- [Cell adhesion molecules \(CAMs\)](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Primary immunodeficiency](#)
- [T cell receptor signaling pathway](#)

**Disease**

- [Arthritis](#)
- [Ascariasis](#)
- [Autoimmune Diseases](#)
- [Cardiomyopathy](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Graves Disease](#)
- [Hashimoto Disease](#)
- [Hepatitis](#)
- [Hepatitis B](#)

- [Hepatitis C](#)
- [HIV Infections](#)
- [Inflammatory Bowel Diseases](#)
- [Lupus Erythematosus](#)
- [Lymphopenia](#)
- [Multiple Sclerosis](#)
- [Paraparesis](#)
- [Scleroderma](#)
- [Severe combined immunodeficiency](#)
- [Thyroiditis](#)