

Datasheet for ABIN7651591  
**anti-CD45RB antibody (CF®568)**



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## Overview

|              |                                                                                                                                |
|--------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                                                                         |
| Target:      | CD45RB                                                                                                                         |
| Reactivity:  | Human                                                                                                                          |
| Host:        | Rabbit                                                                                                                         |
| Clonality:   | Polyclonal                                                                                                                     |
| Conjugate:   | This CD45RB antibody is conjugated to CF®568                                                                                   |
| Application: | Immunohistochemistry (IHC), Western Blotting (WB), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp)) |

## Product Details

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| Purpose:         | CD45RB (B-Cell Marker)(N/A), CF568 conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Immunogen:       | Human CD45RB protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Isotype:         | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Characteristics: | CD45R, also designated CD45 and PTPRC, has been identified as a transmembrane glycoprotein, broadly expressed among hematopoietic cells. Multiple isoforms of CD45R are distributed throughout the immune system according to cell type. These isoforms arise because of alternative splicing of exons 4, 5, and 6. The corresponding protein domains are characterized by the binding of monoclonal antibodies specific for CD45RA (exon 4), CD45RB (exon 5), CD45RC (exon 6) and CD45RO (exons 4 to 6 spliced out). The variation in these isoforms is localized to the extracellular domain of CD45R, while the intracellular domain is conserved. CD45RB is expressed on mature B-lymphocytes and the majority of lymphomas and leukemias of B-cell origin. Primary antibodies are available purified, or with a selection of |

## Product Details

fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

|                   |                                                                                                                                                                                                                                                           |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | CD45RB                                                                                                                                                                                                                                                    |
| Alternative Name: | CD45RB                                                                                                                                                                                                                                                    |
| Background:       | Synonyms: B220, CD45R, GP180, Leukocyte common antigen (LCA), Loc, Ly-5, Lyt-4, Protein tyrosine phosphatase receptor type C (PTPRC), Receptor-type tyrosine-protein phosphatase C, T200 glycoprotein<br>Gene Symbol: PTPRC<br>Tissue Expression: B-cells |
| Molecular Weight: | 180-220 kDa                                                                                                                                                                                                                                               |
| Gene ID:          | 5788                                                                                                                                                                                                                                                      |
| UniProt:          | <a href="#">P08575</a>                                                                                                                                                                                                                                    |

## Application Details

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|--------------------|--------------------------------------------------------------------|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Comment:           | Positive Control: Ramos, U-698, or GA-10 cells. Tonsil             |
| Restrictions:      | For Research Use only                                              |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 0.1 mg/mL                                                                                                              |
| Buffer:            | PBS, 0.1 % BSA, 0.05 % 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. |
| Handling Advice:   | Protect from light                                                                                                     |

Handling

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|------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Storage:         | 4 °C                                                                                                                                 |
| Storage Comment: | Stable at room temperature or 37°C for 7 days.<br>Protect from light<br>Store at 2 to 8°C. Protect fluorescent conjugates from light |
| Expiry Date:     | 24 months                                                                                                                            |