

Datasheet for ABIN135220

## anti-CD45 antibody



[Go to Product page](#)

1 Image

1 Publication

### Overview

|              |                                     |
|--------------|-------------------------------------|
| Quantity:    | 0.5 mg                              |
| Target:      | CD45 (PTPRC)                        |
| Reactivity:  | Mouse                               |
| Host:        | Rat                                 |
| Clonality:   | Monoclonal                          |
| Conjugate:   | This CD45 antibody is un-conjugated |
| Application: | Flow Cytometry (FACS)               |

### Product Details

|                  |                                           |
|------------------|-------------------------------------------|
| Immunogen:       | T1M1 (Thy-1-c) cells                      |
| Clone:           | I3-2-3                                    |
| Isotype:         | IgG2b                                     |
| Specificity:     | Mouse CD45 (all isoforms), Mr 180-240 kDa |
| Characteristics: | Rat Anti-Mouse CD45-UNLB                  |
| Purification:    | Purified                                  |

### Target Details

|                   |                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------|
| Target:           | CD45 (PTPRC)                                                                               |
| Alternative Name: | CD45 ( <a href="#">PTPRC Products</a> )                                                    |
| Background:       | CD45 is the common leukocyte antigen and is expressed on all cells of hematopoietic origin |

## Target Details

except erythrocytes. CD45 exists as a number of different isoforms which result from alternative RNA splicing of exons 4, 5 and 6.

### Pathways:

[TCR Signaling](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [CXCR4-mediated Signaling Events](#), [BCR Signaling](#)

## Application Details

### Application Notes:

- **Applications:** FC - Quality tested , IHC-FS - Reported in literature , IP - Reported in literature
- **Working Dilutions:** Flow Cytometry FITC, BIOT, AF488, and PACBLU conjugates 1 g/106 cells PE, PE/TXRD, APC, SPRD, APC/CY7, PE/CY5.5, PE/CY7, 0.2 g/106 cells AF647, and AF700 conjugates For flow cytometry, the suggested use of these reagents is in a final volume of 100 L

### Sample Volume:

1 mL

### Restrictions:

For Research Use only

## Handling

### Concentration:

0.5 mg/mL

### Buffer:

0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added

### Preservative:

Without preservative

### Handling Advice:

Each reagent is stable for the period shown on the bottle label if stored as directed.

### Storage:

4 °C

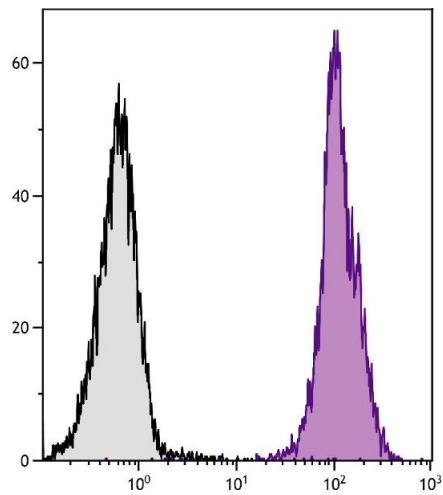
### Storage Comment:

Store at 2-8°C

## Publications

### Product cited in:

Machein, Plate: "Bone marrow chimera experiments to determine the contribution of hematopoietic stem cells to cerebral angiogenesis." in: **Methods in molecular biology (Clifton, N.J.)**, Vol. 1135, pp. 275-88, (2014) ([PubMed](#)).



### Flow Cytometry

**Image 1.** BALB/c mouse splenocytes were stained with Rat Anti-Mouse CD45-UNLB.