

Datasheet for ABIN376654  
**anti-CD45 antibody (PE-Cy7)**



[Go to Product page](#)

1 Image

## Overview

|              |                                            |
|--------------|--------------------------------------------|
| Quantity:    | 100 tests                                  |
| Target:      | CD45 (PTPRC)                               |
| Reactivity:  | Human                                      |
| Host:        | Mouse                                      |
| Clonality:   | Monoclonal                                 |
| Conjugate:   | This CD45 antibody is conjugated to PE-Cy7 |
| Application: | Flow Cytometry (FACS)                      |

## Product Details

|                  |                                         |
|------------------|-----------------------------------------|
| Immunogen:       | Purified T cells from human lymph nodes |
| Clone:           | F10-89-4                                |
| Isotype:         | IgG2a                                   |
| Specificity:     | Human/Horse CD45, Mr 180-220 kDa        |
| Characteristics: | Mouse Anti-Human CD45-PE/CY7            |
| Purification:    | Purified                                |

## Target Details

|                   |                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------|
| Target:           | CD45 (PTPRC)                                                                              |
| Alternative Name: | CD45 ( <a href="#">PTPRC Products</a> )                                                   |
| Background:       | CD45, also known as the leukocyte common antigen (LCA), exists as four different isoforms |

## Target Details

(180, 190, 205, 220 kDa) that are generated by alternative splicing of three exons. LCA is found on all cells of hematopoietic origin, except erythrocytes and platelets. CD45 expression is required for T cell and B cell antigen receptor-mediated activation.

### 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 , ICC - Reported in literature , IP - Reported in literature , WB - Reported in literature
- **Working Dilutions:** Flow Cytometry Purified (UNLB) antibody 1 g/106 cells FITC, BIOT, PE, PE/TXRD, APC, SPRD, CY5, PE/CY5.5, 10 L/106 cells PE/CY7, and AF700 conjugates For flow cytometry, the suggested use of these reagents is in a final volume of 100 L

### Restrictions:

For Research Use only

## Handling

### Buffer:

100 tests in 1.0 mL of PBS/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.

### Handling Advice:

**Protect conjugated products from light.**

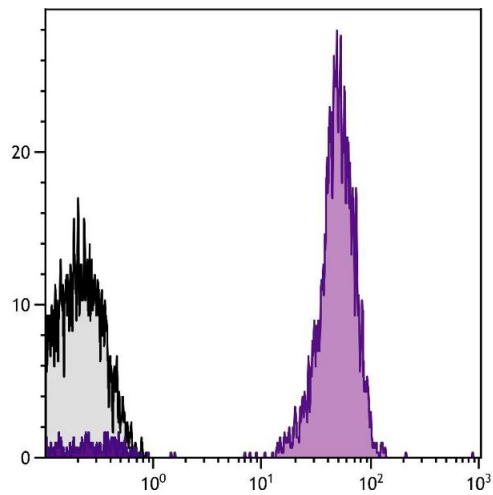
Each reagent is stable for the period shown on the bottle label if stored as directed.

### Storage:

4 °C

### Storage Comment:

Store at 2-8°C



### Flow Cytometry

**Image 1.** Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD45-PE/CY7.