

Datasheet for ABIN7076607  
**anti-CD45 antibody (mFluor™540)**



[Go to Product page](#)

1 Image

## Overview

|              |                                                |
|--------------|------------------------------------------------|
| Quantity:    | 50 tests                                       |
| Target:      | CD45 (PTPRC)                                   |
| Reactivity:  | Human                                          |
| Host:        | Mouse                                          |
| Clonality:   | Monoclonal                                     |
| Conjugate:   | This CD45 antibody is conjugated to mFluor™540 |
| Application: | Flow Cytometry (FACS)                          |

## Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | CD45 mFluor™ 540 Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Immunogen:       | Human T lymphocytes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Clone:           | F10-89-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Isotype:         | IgG2a, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Characteristics: | The clone F10-89-4, a mouse monoclonal antibody, recognizes a hematopoietic cell surface antigen known as CD45 which is present on all human leukocytes including lymphocytes, monocytes, granulocytes, eosinophils, and basophils in peripheral blood. CD45 has a role in signal transduction, modifying signals from other surface molecules. The CD45 antibody has been reported to react weakly with mature circulating erythrocytes and platelets. The antibody recognizes the human leukocyte common antigen which is found on cells from spleen, lymph nodes, 83 % bone marrow cells, and granulocytes. The antigen recognized by F10-89-4 is a glycoprotein with a molecular weight of 190 kDa to 215 kDa |

## Product Details

|               |                     |
|---------------|---------------------|
| Purification: | Purified            |
| Purity:       | >95 %               |
| Grade:        | GMP Grade (Analyte) |

## Target Details

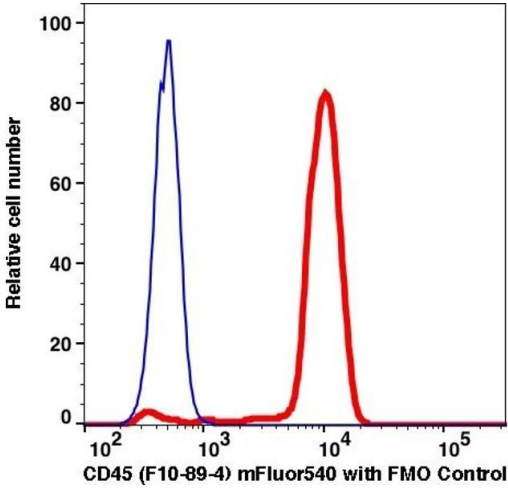
|                   |                                                                                                                                                                                                                                                                                                                    |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | CD45 (PTPRC)                                                                                                                                                                                                                                                                                                       |
| Alternative Name: | CD45 ( <a href="#">PTPRC Products</a> )                                                                                                                                                                                                                                                                            |
| Gene ID:          | 5788                                                                                                                                                                                                                                                                                                               |
| NCBI Accession:   | <a href="#">NM_002838</a>                                                                                                                                                                                                                                                                                          |
| UniProt:          | <a href="#">P08575</a>                                                                                                                                                                                                                                                                                             |
| Pathways:         | <a href="#">TCR Signaling</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">BCR Signaling</a> |

## Application Details

|                    |                                                                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | FC: 5 µL/test We recommend that every lab carries out an initial titration study before running your samples to ensure that the optimal concentration is selected for your application. |
| Restrictions:      | For Research Use only                                                                                                                                                                   |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Buffer:            | PBS, pH 7.2, 0.09 % Sodium azide and 0.2 % (w/v) BSA                                                                   |
| 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:   | 2-8°C, Conjugated antibodies should never be frozen.                                                                   |



Flow Cytometry

Image 1.