

Datasheet for ABIN135778
anti-CD45 antibody (FITC)



[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	100 tests
Target:	CD45 (PTPRC)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD45 antibody is conjugated to FITC
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-FITC

Target Details

Target:	CD45 (PTPRC)
Alternative Name:	CD45 (PTPRC Products)
Background:	CD45, also known as the leukocyte common antigen (LCA), exists as four different isoforms (180, 190, 205, 220 kDa) that are generated by alternative splicing of three exons. LCA is found

Target Details

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:

25 tests in 0.25 mL or 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

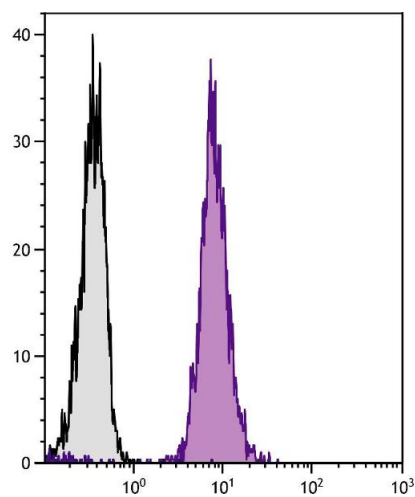
Storage Comment:

Store at 2-8°C

Publications

Product cited in:

Nie, Xu, Li, Tian, Xie, Chen, Li: "Association of endothelial progenitor cells and peptic ulcer treatment in patients with type 2 diabetes mellitus." in: **Experimental and therapeutic medicine**, Vol. 11, Issue 5, pp. 1581-1586, (2016) ([PubMed](#)).



Flow Cytometry

Image 1. Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD45-FITC.