

Datasheet for ABIN135229
anti-CD45 antibody (Biotin)



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1 Image

Overview

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

Product Details

Immunogen:	Abelson murine leukemia virus-induced pre-B cell lymphoma
Clone:	RA3-6B2
Isotype:	IgG2a
Specificity:	Mouse/Human/Feline CD45R, Mr 220 kDa
Characteristics:	Rat Anti-Mouse CD45R-BIOT

Target Details

Target:	CD45 (PTPRC)
Alternative Name:	CD45R (PTPRC Products)
Background:	CD45R/B220, a member of the protein tyrosine phosphate family and a major cell surface glycoprotein, represents a restricted form of the CD45 family which primarily recognizes only

Target Details

cells of B-lineage from pro-B cell through mature B lymphocytes and, prior to the availability of anti-CD19 MAbs, was commonly used as a pan B-cell marker. It also reacts with certain activated T cells, as well as non-MHC-restricted lytically active lymphokine-activated killer (LAK) cells.

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 , IHC-PS - Reported in literature , IP - Reported in literature , WB - Reported in literature , Block - Reported in literature
- **Working Dilutions:** Flow Cytometry FITC, BIOT, and AF488 conjugates 1 g/106 cells PE, PE/TXRD, APC, SPRD, CY5, APC/CY5.5, APC/CY7, 0.2 g/106 cells PE/CY5.5, PE/CY7, AF647, AF700, and PACBLU 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 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.

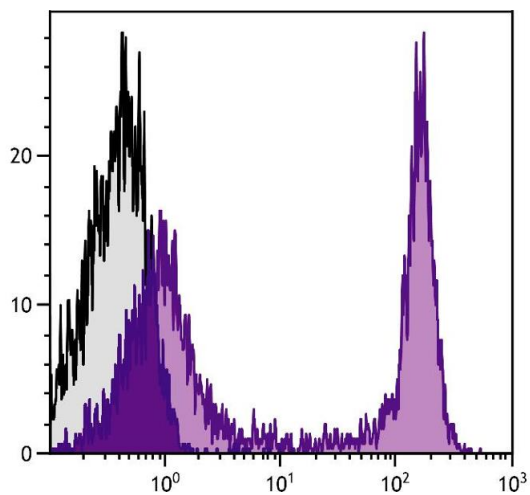
Each reagent is stable for the period shown on the bottle label if stored as directed.

Storage:

4 °C

Storage Comment:

Store at 2-8°C



Flow Cytometry

Image 1. BALB/c mouse splenocytes were stained with Rat Anti-Mouse CD45R-BIOT.