

Datasheet for ABIN135194
anti-CD31 antibody (FITC)



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1 Image 1 Publication

Overview

Quantity:	0.5 mg
Target:	CD31 (PECAM1)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CD31 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	C3H/HeJ mouse hematopoietic progenitor cell line 32D
Clone:	390
Isotype:	IgG2a
Specificity:	Mouse CD31, Mr 130-140 kDa
Characteristics:	Rat Anti-Mouse CD31-FITC

Target Details

Target:	CD31 (PECAM1)
Alternative Name:	CD31 (PECAM1 Products)
Background:	CD31, also known as platelet endothelial cell adhesion molecule-1 (PECAM-1), is a type I integral membrane glycoprotein and a member of the immunoglobulin superfamily of cell

Target Details

surface receptors. It is constitutively expressed on the surface of endothelial cells, and concentrated at the junction between them. It is also weakly expressed on many peripheral lymphoid cells and platelets. CD31 interacts homotypically in cell adhesion assays. MAb 390 inhibits the aggregation of L cells transfected with a variant form of CD31.

Pathways: [Regulation of Actin Filament Polymerization](#)

Application Details

Application Notes:

- **Applications:** FC - Quality tested , IHC-FS - Reported in literature , ICC - Reported in literature , IP - Reported in literature , Block - Reported in literature
- **Working Dilutions:** Flow Cytometry Purified (UNLB) antibody 1 g/106 cells FITC, BIOT, PACBLU, and AF488 conjugates 1 g/106 cells PE, APC, PE/CY7 and AF647 conjugates 0.2 g/106 cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 L

Comment: Blocking of cell adhesion

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.

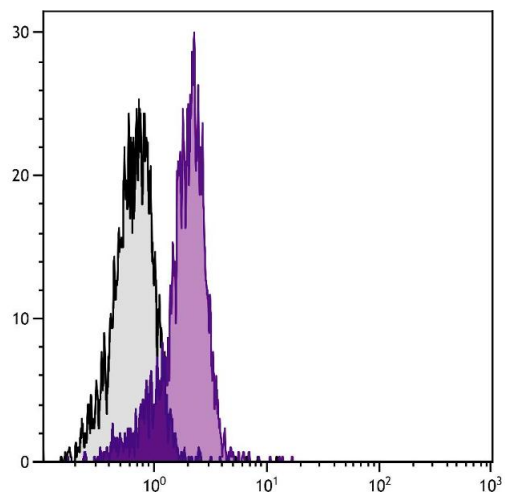
Handling Advice: **Protect conjugated products from light.**
Each reagent is stable for the period shown on the bottle label if stored as directed.

Storage: 4 °C

Storage Comment: Store at 2-8°C

Publications

Product cited in: Bansal, Yoshida, Benoist, Mathis: "The transcriptional regulator Aire binds to and activates super-enhancers." in: **Nature immunology**, Vol. 18, Issue 3, pp. 263-273, (2017) ([PubMed](#)).



Flow Cytometry

Image 1. BALB/c mouse splenocytes were stained with Rat Anti-Mouse CD31-FITC.