

A Reliable Research Partner in Life Science and Medicine

Biotin Anti-Mouse CD31 Antibody[390]

Catalog Number: E-AB-F1180B

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Mouse Rat Host

Isotype Rat IgG2a, ĸ

Clone No. 390

Biotin Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833B] Isotype Control

Conjugation

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

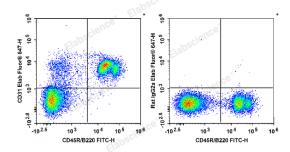
Applications Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow **FCM**

> cytometric staining, the suggested use of this reagent is $\leq 1.0 \,\mu g$ per 10^6 cells in $100 \,\mu L$ volume or 100 µL of whole blood. It is recommended that the reagent be titrated for

optimal performance for each application.

Data



C57BL/6 murine bone marrow cells are stained with FITC Anti-Mouse CD45R/B220 Antibody and Biotin Anti-Mouse

CD31 Antibody followed by Streptavidin-Elab Fluor® 647 (Left). Bone marrow cells are stained with FITC Anti-Mouse CD45R/B220 Antibody and Biotin Rat IgG2a, к Isotype

Control followed by Streptavidin-Elab Fluor® 647 (Right).

Preparation & Storage

Keep as concentrated solution. Storage

This product can be stored at 2-8°C for 12 months. Do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names Pecam-1;CD31;PECAM-1;Pecam

Uniprot ID Q08481 Gene ID 18613

For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017 Web:www.elabscience.com

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Background

CD31 is a 130-140 kD glycoprotein, also known as platelet endothelial cell adhesion molecule (PECAM-1) and EndoCAM. It is a member of the lg superfamily, expressed on endothelial cells, platelets, granulocytes, monocytes/macrophages, dendritic cells, and T and B cell subsets, and is critical for cell-cell interactions. The primary ligands for CD31 have been reported to be CD38 and the vitronectin receptor ($\alpha v \beta 3$ integrin, CD51/CD61). Other reported functions of CD31 are neutrophil emigration to sites of inflammation and angiogenesis.

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