

A Reliable Research Partner in Life Science and Medicine

# Elab Bright™ Violet 421 Anti-Mouse CD31 Antibody[390]

Catalog Number: E-AB-F1180Q2

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

#### **Description**

Reactivity Mouse Host Rat

lsotype Rat lgG2a, κ

Clone No. 390

**Isotype Control** Elab Bright™ Violet 421 Rat IgG2a, κ Isotype Control[R35-95] [Product AN00822Q2]

Conjugation Elab Bright™Violet 421

**Conjugation Information** Elab Bright<sup>TM</sup> Violet 421 is designed to be excited by the violet laser (405 nm) and

detected using an optical filter centered near 421 nm (e.g., a 450/50 nm bandpass filter).

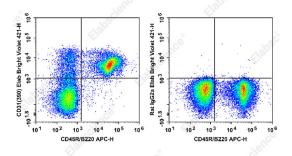
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### Applications Recommended usage

**FCM** 

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

#### Data



Staining of Balb/C murine bone marrow with BV421 Anti-Mouse CD31 Antibody[390] and APC Anti-Mouse CD45R/B220 Antibody[RA3.3A 1/6.1] (left) or BV421 Rat IgG2a, κ Isotype Control (right). Total viable cells were used for analysis.

#### **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and 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 Email:techsupport@elabscience.com

# Elabscience®

#### **Elabscience Bionovation Inc.**

A Reliable Research Partner in Life Science and Medicine

### **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.