



A Reliable Research Partner in Life Science and Medicine

## PE/Cyanine 5.5 Anti-Mouse CD31 Antibody [390]

Catalog Number: E-AB-F1180UI

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

Description

Reactivity Mouse Rat Host

Isotype Rat IgG2a, ĸ

Clone No. 390

PE/Cyanine5.5 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833I] Isotype Control

PE/Cyanine 5.5 Conjugation

**Conjugation Information** PE/Cyanine5.5 is designed to be excited by the Blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 690 nm

(e.g., a 690/50 nm bandpass filter).

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

**Applications** Recommended usage

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

> check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the

> reagent to obtain optimal results [The recommended concentration is 0.1-1 μg/10<sup>6</sup> cells

in 100 µL volume].

**Preparation & Storage** 

Keep as concentrated solution. Storage

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

**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 Ig 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 (av \( \beta \) 3 integrin, CD51/CD61). Other reported functions of CD31 are neutrophil emigration to sites of

inflammation and angiogenesis.

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

Email:techsupport@elabscience.com