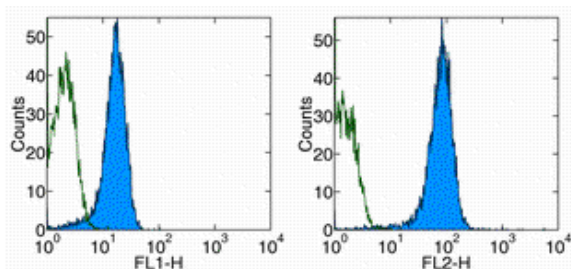


## Anti-Mouse CD31 (PECAM-1) Functional Grade Purified

**Catalog Number:** 16-0311

**Also Known As:** Platelet-Endothelial Cell Adhesion Molecule 1

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of mouse splenocytes with Anti-Mouse CD31 (PECAM-1) FITC (left) or PE (right). Autofluorescence is shown via open histogram. Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Mouse CD31 (PECAM-1) Functional Grade Purified

**REF** **Catalog Number:** 16-0311

**Clone:** 390

**Concentration:** 1 mg/mL

**Host/Isotype:** Rat IgG2a, kappa

**Handling Conditions:** Use in sterile environment.

**Endotoxin Level:** Less than 0.001 ng/ug antibody, as determined by the LAL assay.

**Formulation:** aqueous buffer, no sodium azide



**Temperature Limitation:** Store at 2-8°C.



**Batch Code:** Refer to Vial



**Use By:** Refer to Vial

### Description

The 390 monoclonal antibody reacts with mouse CD31, also known as platelet-endothelial cell adhesion molecule-1 (PECAM-1) and gpIIa. This 130-140 kDa surface protein is expressed by endothelial cells and at low levels on all leukocytes and platelets. It has been reported that CD38 binds to CD31. Homotypic interaction of CD31 is important in adhesion, cell-cell and cell-matrix interaction, and signal transduction.

### Applications Reported

The 390 antibody has been reported for use in flow cytometric analysis. 390 has also been reported in *in vitro* functional studies.

### Applications Tested

The 390 antibody has been tested by flow cytometric analysis of mouse thymocyte and splenocyte suspensions. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

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cardiovascular development. Development. 1994 Sep;120(9):2539-53.

**Related Products**

11-4811 Anti-Rat IgG FITC

16-4321 Rat IgG2a K Isotype Control Functional Grade Purified (eBR2a)

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