

## Anti-Mouse CD31-165Ho

**Catalog #:** 3165013B

**Package Size:** 100 tests

**Storage:** Store product at 4°C. Do not freeze.

**Cross Reactivity:** Mouse

**Clone:** 390

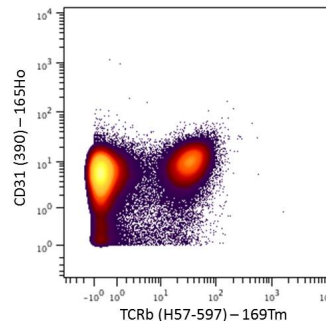
**Isotype:** Rat IgG2a

**Formulation:** Antibody stabilizer with 0.05% Sodium Azide

### Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

**Recommended Usage:** The suggested use is 1 µl for up to 3 X 10<sup>6</sup> live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Mouse splenocytes stained with 165Ho-anti-CD31 (390) and 169Tm-anti-TCRb (H57-597).

### Description

CD31, or platelet endothelial cell adhesion molecule-1 (PECAM-1) is a 130-140 kDa member of the immunoglobulin gene superfamily expressed at high levels at the lateral borders of endothelial cells and at a lower density on the surface of hematopoietic cells including T lymphocytes. By establishing homophilic interactions between endothelium- and leukocyte-expressed CD31, this protein has been shown to facilitate leukocyte transendothelial migration. CD31 deficiency in mice leads to elevated disease severity in experimental models of T cell-mediated inflammation including experimental autoimmune encephalomyelitis (EAE).

### References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. Highly multiparametric analysis by mass cytometry. *J Immunol Methods* 361 (1-2):1-20, 2010.

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