

# iFluor™ 488 Conjugated Anti-CD31 Antibody [SU03-59]

## HA720220F



<b>Product Type:</b>	Recombinant Rabbit monoclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human
<b>Applications:</b>	IF-Tissue
<b>Molecular Wt:</b>	Predicted band size: 83 kDa
<b>Clone number:</b>	SU03-59

**Description:** PECAM-1 is a cell-cell adhesion protein which interacts with other PECAM-1 molecules through homophilic interactions or with non-PECAM-1 molecules through heterophilic interactions. Homophilic interactions between PECAM-1 molecules are mediated by antiparallel interactions between extracellular Ig-like domain 1 and Ig-like domain 2. These interactions are regulated by the level of PECAM-1 expression. Homophilic interactions occur, only when the surface expression of PECAM-1 is high. Otherwise, when expression is low, heterophilic interactions occur.

**Conjugate:** iFluor™ 488

**Immunogen:** Synthetic peptide within Human CD31 aa 689-738 / 738.

**Positive control:** Human tonsils tissue.

**Subcellular location:** Cell junction. Cell membrane. Membrane.

**Database links:** SwissProt: P16284 Human

**Recommended Dilutions:**

**IF-Tissue** 1:200

**Storage Buffer:** Supplied in phosphate-buffered solution, pH 7.2, containing 0.2% ProClean 950 and BSA.

**Storage Instruction:** Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

**Purity:** Protein A affinity purified.

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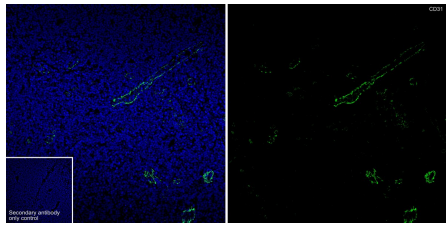
Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

  
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## Images



**Fig1:** Immunofluorescence analysis of paraffin-embedded human tonsils tissue labeling CD31 with Rabbit anti-CD31 antibody (HA720220F) at 1/200 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 10% negative goat serum for 1 hour at room temperature, washed with PBS, and then probed with the primary antibody (HA720220F, green) at 1/200 dilution overnight at 4 °C, washed with PBS. Goat Anti-Rabbit IgG H&L (iFluor™ 488, HA1121) was used as the secondary antibody at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).

**Note:** All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.

## Background References

1. Doi H et al. Potency of umbilical cord blood- and Wharton's jelly-derived mesenchymal stem cells for scarless wound healing. *Sci Rep* 6:18844 (2016).
2. Yang Y et al. The Increased Expression of Connexin and VEGF in Mouse Ovarian Tissue Vitrification by Follicle Stimulating Hormone. *Biomed Res Int* 2015:397264 (2015).

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