

Anti-CD31 antibody [MEC 7.46] ab7388

重组

★★★★★ **8 Abreviews** **117 References** **3 图像**

概述

| | |
|-------|--|
| 产品名称 | Anti-CD31抗体[MEC 7.46] |
| 描述 | 大鼠单克隆抗体[MEC 7.46] to CD31 |
| 宿主 | Rat |
| 特异性 | The antibody reacts with the murine form of the Platelet-Endothelial Cell Adhesion Molecule. The reactivity of the antibody is restricted to the isoform of the molecule that is selectively expressed by endothelial cells. The antibody precipitates a 130 kDa molecule present on the membrane of endothelial cell presents on all mouse blood vessels both in normal and inflamed or tumor tissues. The antigen is predominantly present at the lateral borders of endothelial cells as described for human PECAM-1. |
| 经测试应用 | 适用于: Flow Cyt, ICC/IF 不适用于: IP or WB |
| 种属反应性 | 与反应: Mouse |
| 免疫原 | Tissue, cells or virus. This information is proprietary to Abcam and/or its suppliers. |
| 阳性对照 | ICC: mouse bEnd.3 cell line; Flow Cyt: mouse bEnd.3 cell line |
| 常规说明 | This product has switched from a hybridoma to recombinant production method on 08 th March 2021. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . |

性能

| | |
|------|---|
| 形式 | Liquid |
| 存放说明 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. |
| 存储溶液 | Preservative: 0.01% Sodium azide Constituents: 59% PBS, 0.5% BSA, 40% Glycerol (glycerin, glycerine) |

| | |
|------|--------------------|
| 纯度 | Protein A purified |
| 克隆 | 单克隆 |
| 克隆编号 | MEC 7.46 |
| 同种型 | IgG1 |
| 轻链类型 | kappa |

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab7388于以下的经测试应用**

“应用说明”部分下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

| 应用 | Ab评论 | 说明 |
|----------|-----------|---------|
| Flow Cyt | | 1/1000. |
| ICC/IF | ★★★★☆ (1) | 1/50. |

应用说明 Is unsuitable for IP or WB.

靶标

功能

Induces susceptibility to atherosclerosis (By similarity). Cell adhesion molecule which is required for leukocyte transendothelial migration (TEM) under most inflammatory conditions. Tyr-690 plays a critical role in TEM and is required for efficient trafficking of PECAM1 to and from the lateral border recycling compartment (LBRC) and is also essential for the LBRC membrane to be targeted around migrating leukocytes. Prevents phagocyte ingestion of closely apposed viable cells by transmitting 'detachment' signals, and changes function on apoptosis, promoting tethering of dying cells to phagocytes (the encounter of a viable cell with a phagocyte via the homophilic interaction of PECAM1 on both cell surfaces leads to the viable cell's active repulsion from the phagocyte. During apoptosis, the inside-out signaling of PECAM1 is somehow disabled so that the apoptotic cell does not actively reject the phagocyte anymore. The lack of this repulsion signal together with the interaction of the eat-me signals and their respective receptors causes the attachment of the apoptotic cell to the phagocyte, thus triggering the process of engulfment). Isoform Delta15 is unable to protect against apoptosis. Modulates BDKRB2 activation. Regulates bradykinin- and hyperosmotic shock-induced ERK1/2 activation in human umbilical cord vein cells (HUVEC).

组织特异性 Expressed on platelets and leukocytes and is primarily concentrated at the borders between endothelial cells. Isoform Long predominates in all tissues examined. Isoform Delta12 is detected only in trachea. Isoform Delta14-15 is only detected in lung. Isoform Delta14 is detected in all tissues examined with the strongest expression in heart. Isoform Delta15 is expressed in brain, testis, ovary, cell surface of platelets, human umbilical vein endothelial cells (HUVECs), Jurkat T-cell leukemia, human erythroleukemia (HEL) and U937 histiocytic lymphoma cell lines (at protein level).

序列相似性 Contains 6 Ig-like C2-type (immunoglobulin-like) domains.

| | |
|------------|---|
| 结构域 | The Ig-like C2-type domains 2 and 3 contribute to formation of the complex with BDKRB2 and in regulation of its activity. |
|------------|---|

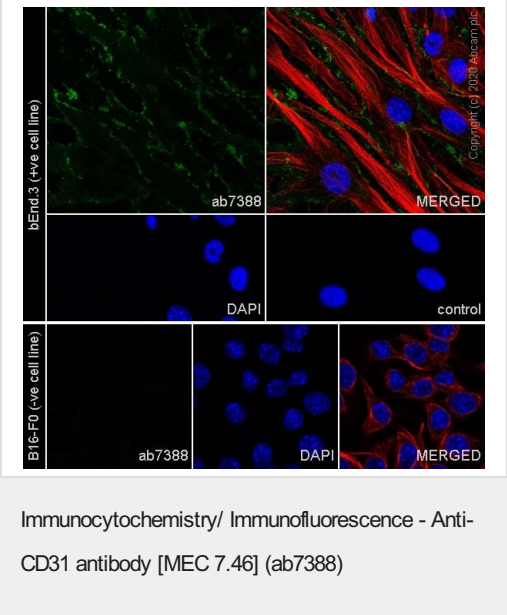
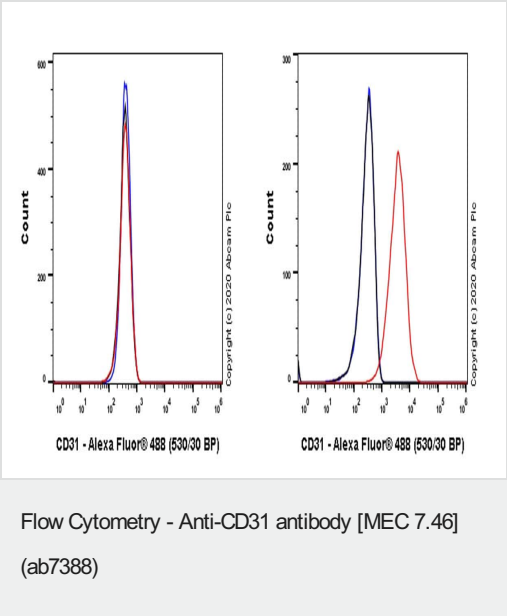
翻译后修饰 Phosphorylated on Ser and Tyr residues after cellular activation. In endothelial cells Fyn mediates

细胞定位

mechanical-force (stretch or pull) induced tyrosine phosphorylation.

Membrane. Cell junction. Localizes to the lateral border recycling compartment (LBRC) and recycles from the LBRC to the junction in resting endothelial cells and Cell junction. Localizes to the lateral border recycling compartment (LBRC) and recycles from the LBRC to the junction in resting endothelial cells.

图片



Why choose a recombinant antibody?



Research with confidence

Consistent and reproducible results



Long-term and scalable supply

Recombinant technology



Success from the first experiment

Confirmed specificity



Ethical standards compliant

Animal-free production

Anti-CD31 antibody [MEC 7.46] (ab7388)

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