Datasheet: 4108-2108

**Description:** RAT ANTI HUMAN ENDOTHELIAL CELLS (FULLY DIFFERENTIATED)

**Specificity:** ENDOTHELIAL CELLS (FULLY DIFFERENTIATED)

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** 1F10

**Isotype:** IgG2a

**Quantity:** 0.1 mg

**RRID** AB_620375

**Applications**

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immunohistology - Frozen (1)</td>
<td>•</td>
<td></td>
<td></td>
<td>1/50 - 1/200</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.

**Target Species** Human

**Species Cross Reactivity** Does not react with: Mouse

**Product Form** Purified IgG - lyophilised

**Reconstitution** With 0.5 ml sterile distilled water

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** 0.01% Thiomersal, 1% Bovine Serum Albumin.

**Immunogen** Cultured HUVECs.

**Specificity** Rat anti Human Endothelial cells antibody, clone 1F10 recognizes a ~150 kDa antigen present on fully differentiated continuous blood endothelial cells. Expression is low and inconsistent on
sinusoidal endothelial cells of the liver and dermal lymphatic endothelia. Expression is absent on splenic sinusoidal endothelial cells (Goerdt et al. 1989).

Immunohistochemical studies indicate that the antigen recognized by Rat anti Human Endothelial cells antibody, clone 1F10 is strongly up-regulated in the muscularis propria of patients with Chron's disease, suggesting a possible role in the maintainece of chronic inflammation in this condition (Lügering et al. 1995).

| Histology Positive Control Tissue | Human placenta |

References


Storage

Prior to reconstitution store at +4°C. After reconstitution store at -20°C. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody.

 Guarantee

12 months from date of reconstitution.

Health And Safety Information


Regulatory

For research purposes only

Related Products

**Recommended Secondary Antibodies**

- Rabbit Anti Rat IgG (STAR17...) **FITC**
- Goat Anti Rat IgG (STAR69...) **FITC**
- Goat Anti Rat IgG (STAR131...) **Alk. Phos., Biotin**
- Goat Anti Rat IgG (STAR73...) **RPE**
- Rabbit Anti Rat IgG (STAR21...) **HRP**
- Goat Anti Rat IgG (STAR72...) **HRP**
- Rabbit Anti Rat IgG (STAR16...) **DyLight®800**
- Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) **DyLight®800**