CD144 (VE-Cadherin) Rat Anti-Mouse mAb (clone eBioBV13), PE Conjugate

Store at 2°C to 8°C

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Form</th>
<th>Amount</th>
<th>Excitation</th>
<th>Peak Emission</th>
</tr>
</thead>
<tbody>
<tr>
<td>A18352</td>
<td>PE</td>
<td>25 μg</td>
<td>496 nm</td>
<td>578 nm</td>
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**Clone**
eBioBV13 (BV13)

**Host/Class**
Rat IgG1

**Description**
The CD144 (VE-Cadherin) Rat Anti-Mouse Monoclonal Antibody (mAb) reacts with mouse CD144, a 120 kDa member of the type II cadherin family. CD144 mediates homophilic adhesion between neighbouring endothelial cells and is localized within specialized structures at cell-cell contacts, called adherens junctions. It is expressed constitutively throughout the entire vasculature, and is required for numerous endothelial cell functions including migration, survival, contact-dependent growth inhibition, and endothelial cell assembly into tubular structures.

**Alternate Names**
Cdh5, cadherin 5, vascular endothelial cadherin

**Applications***
FC (bEND3 cells), FUNC1,2,3, IHC1

**Storage Buffer**
The reagent is provided in aqueous buffer with 0.09% sodium azide, and may contain carrier protein/stabilizer. **CAUTION!** Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. SDSs are available at www.lifetechnologies.com/support.

**Storage**
Store reagents in the dark at 2°C to 8°C. Do not freeze. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted.

Avoid prolonged light exposure with fluorochrome-conjugated antibodies. Use dim light during handling, incubation with cells, and prior to analysis.

**Stability**
When stored as instructed, expires one year from date of receipt unless otherwise indicated on Certificate of Analysis.

**Lot Number**
See product label.

**References**

* Because conditions may vary, it is recommended that each investigator determine the optimal amount of antibody to be used for each application.

FC = flow cytometry; FUNC = functional assay; ICC = immunocytochemistry; IHC(F) = immunohistochemistry (frozen sample); IHC(P) = immunohistochemistry (paraffin embedded sample); IP = immunoprecipitation; RIA = radioimmunoassay; WB = western blot
Explanation of Symbols

The symbols present on the product label are explained below:

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
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<td><img src="image2" alt="Catalog number" /></td>
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<td><img src="image4" alt="Use by" /></td>
<td>Use by</td>
<td><img src="image5" alt="Temperature limitation" /></td>
<td>Temperature limitation</td>
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<tr>
<td><img src="image6" alt="Consult instructions for use" /></td>
<td>Consult instructions for use</td>
<td><img src="image7" alt="Caution, consult accompanying documents" /></td>
<td>Caution, consult accompanying documents</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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15 October 2013