

## Product datasheet

# Anti-VE Cadherin antibody [BV13] - Intercellular Junction Marker ab91064

[1 Abreviews](#) [8 References](#) [1 Image](#)

### Overview

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<b>Product name</b>	Anti-VE Cadherin antibody [BV13] - Intercellular Junction Marker
<b>Description</b>	Rat monoclonal [BV13] to VE Cadherin - Intercellular Junction Marker
<b>Host species</b>	Rat
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	bEnd.3 cells
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.09% Sodium azide Constituent: PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	BV13
<b>Isotype</b>	IgG1

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab91064 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 1 µg for 10 <sup>6</sup> cells. Use 1 µg for 10 <sup>6</sup> cells in 100 µl total staining volume. <b>ab18407</b> - Rat monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## Target

### Function

Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. This cadherin may play a important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. It associates with alpha-catenin forming a link to the cytoskeleton.

### Tissue specificity

Endothelial tissues and brain.

### Sequence similarities

Contains 5 cadherin domains.

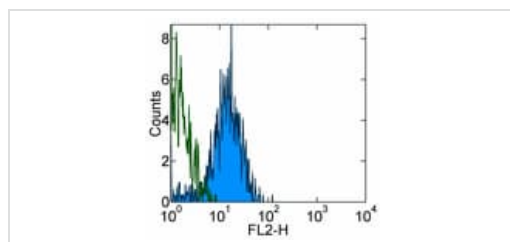
### Post-translational modifications

Phosphorylated on tyrosine residues by KDR/VEGFR-2. Dephosphorylated by PTPRB.

### Cellular localization

Cell junction. Cell membrane. Found at cell-cell boundaries and probably at cell-matrix boundaries.

## Images



Flow Cytometry - Anti-VE Cadherin antibody [BV13]  
- Intercellular Junction Marker (ab91064)

bEnd.3 cells were labelled with 0.5 µg Rat IgG1 isotype control antibody (open histogram) or 0.5 µg ab91064 (colored histogram) followed by Anti-Rat PE secondary antibody. Total viable cells were used for analysis.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors