

VE-cadherin Monoclonal Antibody (eBioBV13), PE

Catalog NumberA18352

Product data sheet

| Details            |             | Species Reactivity   |                 |
|--------------------|-------------|--|-----------------|
| Size               | 25 µg       | Species reactivity   | Mouse           |
| Host/Isotope       | Rat / IgG1  | Tested Applications  |                 |
| Class              | Monoclonal  | Dilution *   |                 |
| Type               | Antibody    | Flow Cytometry (Flow)  | Assay-dependent |
| Clone              | eBioBV13    | * Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls. |                 |
| Immunogen          | mouse CD144 |  |                 |
| Conjugate          | PE          |  |                 |
| Form               | Liquid      |  |                 |
| Concentration      | 0.2 mg/mL   |  |                 |
| Storage Conditions | 4° C        |  |                 |

Background/Target Information

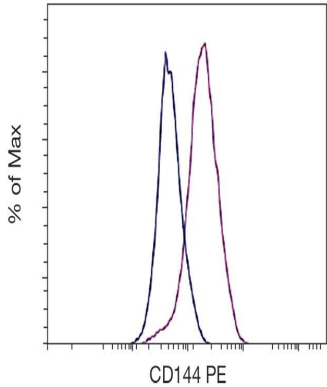
VE-cadherin is a member of the cadherin superfamily that is located in a six-cadherin cluster in a region on the long arm of chromosome 16 and is involved in loss of heterozygosity events in breast and prostate cancer. VE-cadherin protein is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Functioning as a classic cadherin by imparting to cells the ability to adhere in a homophilic manner, VE-cadherin may play an important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. An alternative splice variant has been described but the full length sequence of VE-cadherin has not been determined.

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**VE-cadherin Antibody (A18352) in Flow**

Staining of bEND.3 cell line with 0.125 ug of Rat IgG1 kappa Isotype Control PE (blue histogram) or 0.125 ug of Anti-Mouse CD144 (VE-Cadherin) PE (purple histogram, A18352). Total viable cells were used for analysis.

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