

# ABflo® 700 Rabbit anti-Human CD144/VE Cadherin mAb

Catalog No.: A26373

## Basic Information

### Observed MW

### Calculated MW

88kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human

### CloneNo number

ARC58061-ABflo700

### Conjugate

ABflo® 700. Ex:690nm. Em:713nm.

## Recommended Dilutions

FC 5 µl per 10<sup>6</sup> cells in  
100 µl volume

## Background

This gene encodes a classical cadherin of the cadherin superfamily. The encoded preproprotein is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion molecule is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Functioning as a classical cadherin by imparting to cells the ability to adhere in a homophilic manner, this protein plays a role in endothelial adherens junction assembly and maintenance. This gene is located in a gene cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer.

## Immunogen Information

### Gene ID

1003

### Swiss Prot

P33151

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 48-593 of human CD144/VE Cadherin(NP\_001786.2)

### Synonyms

7B4; CD144

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

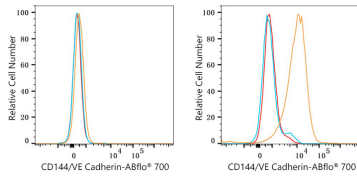
### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

## Validation Data

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Flow cytometry:  $1 \times 10^6$  HeLa cells (negative control, left) and BeWo cells (right) were surface-stained with ABflo® 700 Rabbit anti-Human CD144/VE Cadherin mAb (A26373, 5  $\mu$ l/Test, orange line) or ABflo® 700 Rabbit IgG isotype control (5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).