

# ABflo® 450 Rabbit anti-Human E-Cadherin/CD324 mAb

Catalog No.: A26459

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

90kDa/97kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human

### CloneNo number

ARC57098

### Conjugate

ABflo® 450. Ex:406nm. Em:445nm.

## 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. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion protein is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function of this gene is thought to contribute to cancer progression by increasing proliferation, invasion, and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization. This gene is present in a gene cluster with other members of the cadherin family on chromosome 16.

## Immunogen Information

### Gene ID

999

### Swiss Prot

P12830

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

UVO; CDHE; ECAD; LCAM; Arc-1; BCDS1; CD324

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

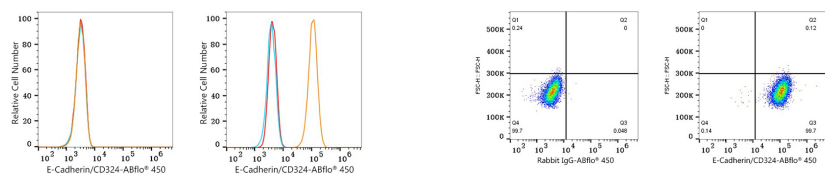
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

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

## Validation Data



Flow cytometry:  $1 \times 10^6$  K-562 cells (negative control, left) and A-431 cells (right) were surface-stained with ABflo® 450 Rabbit anti-Human E-Cadherin/CD324 mAb (A26459, 5  $\mu$ l/Test, orange line) or ABflo® 450 Rabbit IgG isotype control (5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:  $1 \times 10^6$  A-431 cells were surface-stained with ABflo® 450 Rabbit IgG isotype control (5  $\mu$ l/Test, left) or ABflo® 450 Rabbit anti-Human E-Cadherin/CD324 mAb (A26459, 5  $\mu$ l/Test, right).