

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-ABflo450

Conjugate

ABflo® 450. Ex:406nm. Em:445nm.

Recommended Dilutions

FC 5 µl per 10⁶ 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 fusion protein containing a sequence corresponding to amino acids 155-707 of human E-Cadherin/CD324 (NP_004351.1).


Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

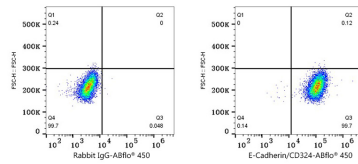
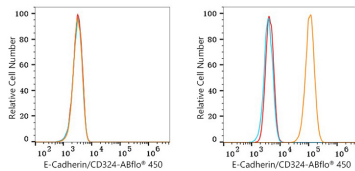
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

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

Validation Data



Flow cytometry: 1×10^6 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 μ l/Test, orange line) or ABflo® 450 Rabbit IgG isotype control (5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

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