

# ABflo® 647 Rabbit anti-Human CD326/EPCAM mAb

Catalog No.: A22486

## Basic Information

### Observed MW

### Calculated MW

35kDa

### Category

Primary antibody

### Applications

IF/ICC,FC

### Cross-Reactivity

Human

### CloneNo number

ARC57676-ABf647

### Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

## Recommended Dilutions

IF/ICC 1:50 - 1:200

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

## Background

This gene encodes a carcinoma-associated antigen and is a member of a family that includes at least two type I membrane proteins. This antigen is expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion molecule. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in this gene result in congenital tufting enteropathy.

## Immunogen Information

### Gene ID

4072

### Swiss Prot

P16422

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 24-265 of human CD326/EPCAM (NP\_002345.2).

### Synonyms

ESA; KSA; M4S1; MK-1; DIAR5; EGP-2; EGP40; KS1/4; MIC18; TROP1; BerEp4; EGP314; HNPPC8; LYNCH8; MOC-31; Ber-Ep4; TACSTD1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

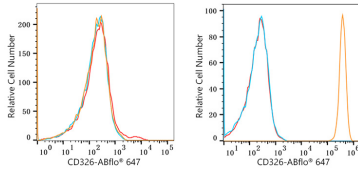
Affinity purification

### Storage

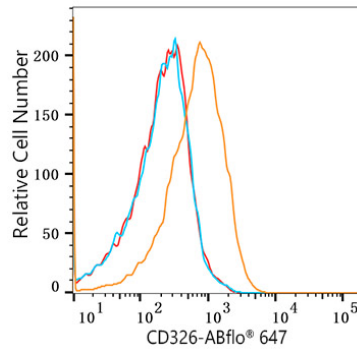
Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

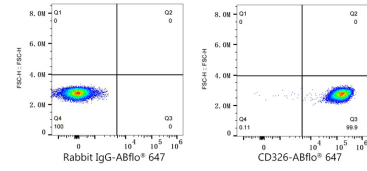
## Validation Data



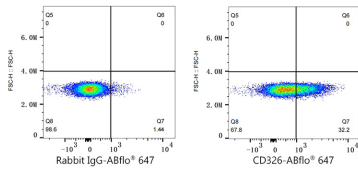
Flow cytometry:  $1 \times 10^6$  Jurkat cells (negative control, left) and HT-29 cells (right) were surface-stained with ABflo® 647 Rabbit anti-Human CD326/EPCAM mAb (A22486, 2  $\mu\text{g}/\text{mL}$ , orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 2  $\mu\text{g}/\text{mL}$ , blue line). Non-fluorescently stained cells were used as blank control (red line).



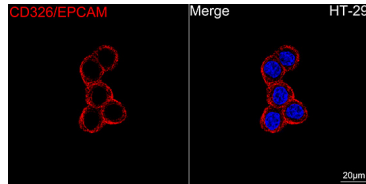
Flow cytometry:  $1 \times 10^6$  HeLa cells (Low Expression) were surface-stained with ABflo® 647 Rabbit anti-Human CD326/EPCAM mAb (A22486, 5  $\mu\text{l}/\text{Test}$ , orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu\text{l}/\text{Test}$ , blue line). Non-fluorescently stained HeLa cells were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  HT-29 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu\text{l}/\text{Test}$ , left) or ABflo® 647 Rabbit anti-Human CD326/EPCAM mAb (A22486, 5  $\mu\text{l}/\text{Test}$ , right).



Flow cytometry:  $1 \times 10^6$  HeLa cells (Low Expression) were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu\text{l}/\text{Test}$ , left) or ABflo® 647 Rabbit anti-Human CD326/EPCAM mAb (A22486, 5  $\mu\text{l}/\text{Test}$ , right).



Confocal imaging of HT-29 cells using ABflo® 647 Rabbit anti-Human CD326/EPCAM mAb (A22486, dilution 1:200). DAPI was used for nuclear staining (Blue). Objective: 100x.