

For Research Use Only

Anti-Human EPCAM/CD326 Rabbit Recombinant Antibody

Catalog Number: 98303-5-RR



Basic Information

Catalog Number:

98303-5-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1370

GenBank Accession Number:

NM_002354.3

GeneID (NCBI):

4072

UNIPROT ID:

P16422

Full Name:

epithelial cell adhesion molecule

Calculated MW:

35 kDa

Purification Method:

Protein A purification

CloneNo.:

250626C6

Recommended Dilutions:

FC: 0.25 µg per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : HT-29 cells,

Background Information

Epithelial cell adhesion molecule (EpCAM, CD326) is a type I transmembrane glycoprotein that functions as a homophilic, epithelial-specific intercellular cell-adhesion molecule. In addition to cell adhesion, EpCAM is also involved in cellular signaling, cell migration, proliferation, and differentiation. EpCAM is highly expressed on most carcinomas and therefore of potential use as a diagnostic and prognostic marker for a variety of carcinomas, and has become a therapeutic target. EpCAM may occur in distinct forms due to glycosylation. (PMID: 20837599; 19249674; 21576002; 22647938; 12691820)

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

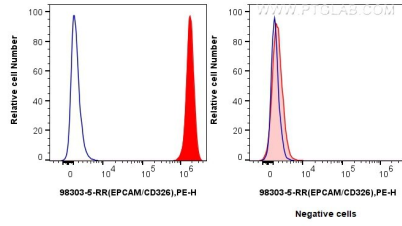
For technical support and original validation data for this product please contact:

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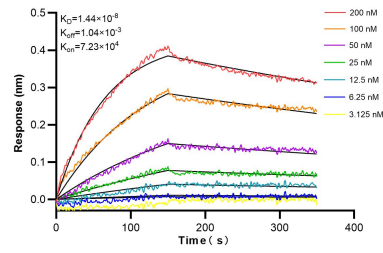
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W: ptglab.com

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Selected Validation Data



1x10⁶ HT-29 (left) or HeLa (right) cells were surface stained with 0.25 ug Anti-Human EPCAM/CD326 Rabbit RecAb (98303-5-RR, Clone: 250626C6) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98303-5-RR against Human EPCAM/CD326 were performed. The affinity constant is 14.4 nM.