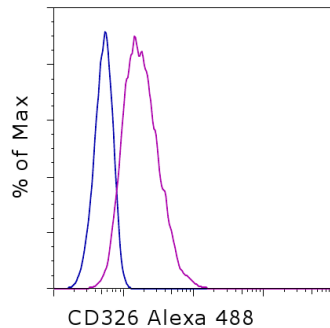


Anti-Human CD326 (EpCAM) Alexa Fluor[®] 488

Catalog Number: 53-8326

Also known as: Epithelial cell adhesion molecule, KSA, TROP1

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of A549 cells with Mouse IgG2a K Isotype Control Alexa Fluor[®] 488 (cat. 53-4724) (blue histogram) or Anti-Human CD326 (EpCAM) Alexa Fluor[®] 488 (purple histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human CD326 (EpCAM)

Alexa Fluor[®] 488

REF **Catalog Number:** 53-8326

Clone: MH99

Concentration: 5 μ L (0.5 μ g)/test

Host/Isotype: Mouse IgG2a, kappa

Formulation: aqueous buffer, 0.09% sodium

azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial

Contains sodium azide



Description

The monoclonal antibody MH99 recognizes human CD326 also known as EpCAM (Epithelial cell adhesion molecule). This 40 kDa type I transmembrane protein is involved in cell-cell interactions in a calcium-independent manner. EpCAM is expressed primarily on the basolateral surface of most epithelia. Although normal epithelia express low levels of CD326, increased expression has been correlated with increased proliferation and progression to a mesenchymal phenotype. CD326 has also been used as a diagnostic marker on circulating metastatic carcinoma cells, while cancer cells of non-epithelial origin do not express EpCAM.

Based on crossblocking studies, MH99 and 1B7 see overlapping epitopes.

Applications Reported

This MH99 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This MH99 antibody has been pre-titrated and tested by flow cytometric analysis of the A549 cell line. This can be used at 5 μ L (0.5 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

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Litvinov SV, Bakker HA, Gourevitch MM, Velders MP, Warnaar SO. Evidence for a role of the epithelial glycoprotein

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Mattes MJ, Cairncross JG, Old LJ, Lloyd KO. Monoclonal antibodies to three widely distributed human cell surface antigens. *Hybridoma.* 1983;2(3):253-64.

Related Products

53-4724 Mouse IgG2a K Isotype Control Alexa Fluor® 488

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