

Anti-Human CD326-141Pr

Catalog: 3141006B

Package Size: 100 tests

Storage: Store product at 4°C. Do not freeze.

Reactivity: Human,

Clone: 9C4

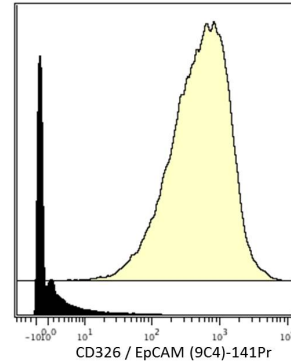
Isotype: IgG2b

Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF[®] analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human HT-29 colon carcinoma cells (top) and human Jurkat T cells (bottom) stained with 141Pr-anti-CD326 (EpCAM).

Description

CD326, also known as Epithelial Cell Adhesion Molecule (EpCAM), Tumor-Associated Calcium Signal Transducer 1 (TACSTD1), epithelial cell surface antigen, epithelial glycoprotein 2 (EGP2), adenocarcinoma associated antigen, and TROP1, is a type I transmembrane protein. CD326 functions as a homotypic calcium-independent cell adhesion molecule and believed to be involved in carcinogenesis by inducing genes involved in cellular metabolism and proliferation. It is highly expressed in bone marrow, colon, lung, most epithelial cells and on carcinomas of gastrointestinal origin.

References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. **Highly Multiparametric Analysis by Mass Cytometry.** *J Immunol Methods* 361 (1-2):1-20, 2010.

For technical support visit fluidigm.com/support

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