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Anti-TACSTD1 / EPCAM Antibody (aa27-59, clone VU-1D9)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17386

Specification

Anti-TACSTD1 / EPCAM Antibody (aa27-59, clone VU-1D9) - Product Information

Application	**IHC-P, FC**
Primary Accession	P16422
Predicted	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1,k**
Calculated MW	**34932**

Anti-TACSTD1 / EPCAM Antibody (aa27-59, clone VU-1D9) - Additional Information

Gene ID 4072

Alias Symbol	**EPCAM**

Other Names
EPCAM, 323/A3, ACSTD1, 17-1A, CD326, EGP, EGP34, Epithelial glycoprotein, GA733-2, HNPCC8, Ep-CAM, ESA, HEGP314, KS 1/4 antigen, KS1/4, KSA, M1S2, MIC18, MK-1, MH99, TROP1, TACST-1, TACSTD1, CD326 antigen, CO-17A, DIAR5, EGP-2, EGP314, EGP40, Epithel ...

Target/Specificity
Human TACSTD1 / EPCAM

Reconstitution & Storage
PBS, 0.05% sodium azide. Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

Precautions
Anti-TACSTD1 / EPCAM Antibody (aa27-59, clone VU-1D9) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-TACSTD1 / EPCAM Antibody (aa27-59, clone VU-1D9) - Protein Information

Name EPCAM

Synonyms GA733-2, M1S2, M4S1, MIC18, TACSTD1, TRO

Function
May act as a physical homophilic interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium for providing immunological barrier as a first line of defense against mucosal infection. Plays a role in embryonic stem cells proliferation and differentiation. Up-regulates the expression of FABP5, MYC and cyclins A and E.

Cellular Location

Lateral cell membrane; Single-pass type I membrane protein. Cell junction, tight junction. Note=Colocalizes with CLDN7 at the lateral cell membrane and tight junction

Tissue Location
Highly and selectively expressed by undifferentiated rather than differentiated embryonic stem cells (ESC) Levels rapidly diminish as soon as ESC's differentiate (at protein levels). Expressed in almost all epithelial cell membranes but not on mesodermal or neural cell membranes. Found on the surface of adenocarcinoma.

Anti-TACSTD1 / EPCAM Antibody (aa27-59, clone VU-1D9) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-TACSTD1 / EPCAM Antibody (aa27-59, clone VU-1D9) - Images