

**Anti-TACSTD1 / EPCAM Antibody (aa27-59, clone VU-1D9)**  
**Mouse Anti Human Monoclonal Antibody**  
**Catalog # ALS17386****Specification**

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

Application	IHC-P, FC
Primary Accession	<a href="#">P16422</a>
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 Cytometry](#)
- [Cell Culture](#)

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