

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

Mouse Anti Human Monoclonal Antibody

Catalog # ALS17386

Product Information

Application	IHC-P, FC
Primary Accession	P16422
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Names	VU-1D9
Calculated MW	34932
Concentration (mg/ml)	0.2 mg/ml

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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.