Product Name: EPCAM Mouse Monoclonal Antibody
Catalog #: AMM82566
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	35kDa

Antigen Information

Gene Name	EPCAM
Alternative Names	ESA; KSA; M4S1; MK-1; DIAR5; EGP-2; EGP40; KS1/4; MIC18; TROP1; EGP314; HNPCC8; TACSTD1
Gene ID	4072.0
SwissProt ID	P16422
Immunogen	Purified recombinant fragment of human EPCAM (AA: extra(116-265)) expressed in E. Coli.

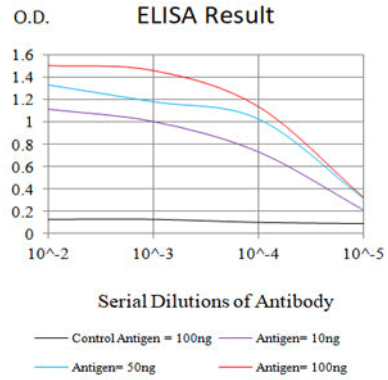
Background

This gene encodes a carcinoma-associated antigen and is a member of a family that includes at least two type I membrane proteins. This antigen is expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a

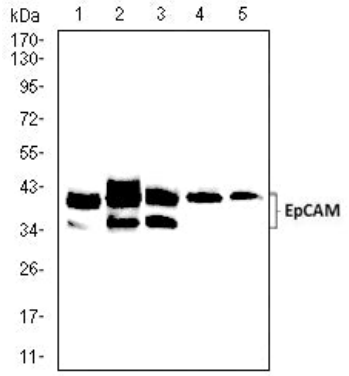
homotypic calcium-independent cell adhesion molecule. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in this gene result in congenital tufting enteropathy. [provided by RefSeq, Dec 2008]

Research Area

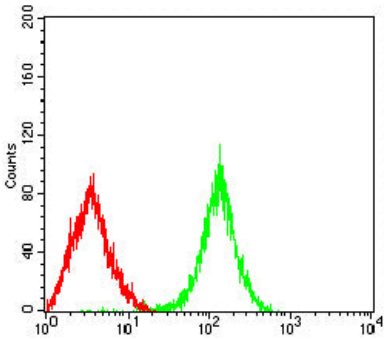
Image Data



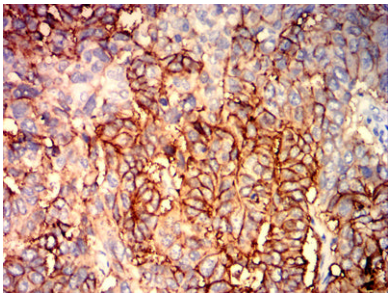
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



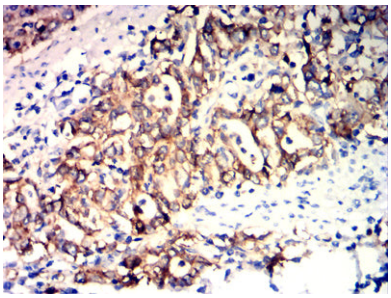
Western blot analysis using EPCAM mouse mAb against HCT116 (1), HT-29 (2),SW480 (3),Sw-620 (4) , and T47D (5) cell lysate.



Flow cytometric analysis of Lovo cells using EPCAM mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using EPCAM mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissues using EPCAM mouse mAb with DAB staining.