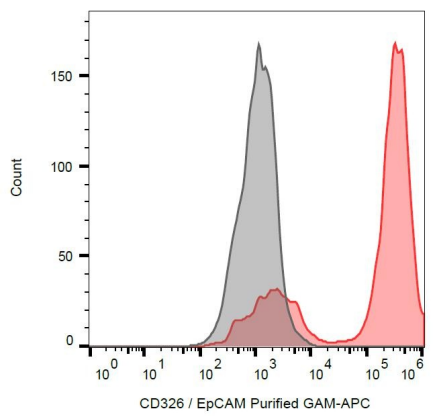
CellTx™

EPCAM monoclonal antibody, clone VU-1D9

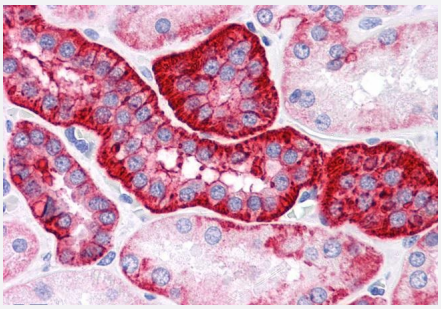
Catalog # MAB23734 Size 50 ug

Applications



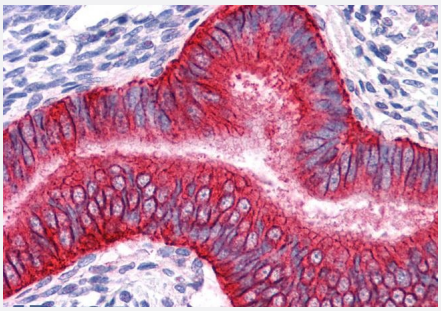
Flow Cytometry

Surface staining of human MCF-7 cell line with anti-human EPCAM purified.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Anti-EPCAM antibody IHC of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/mL.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Anti-EPCAM antibody IHC of human uterus. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/mL.

Specification

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Product Description	Mouse monoclonal antibody raised against human EPCAM.
Immunogen	Native purified EPCAM from small cell lung carcinoma cell line.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Purified by protein-A affinity chromatography. Greater than 95% by SDS-PAGE.
Isotype	IgG1
Recommend Usage	Flow Cytometry (1 - 3 ug/ml) Immunocytochemistry (4 ug/mL) Immunohistochemistry Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (10 ug/mL) Immunohistochemistry (Frozen)Immunoprecipitation Western blot (1 - 4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (15 mM sodium azide).
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

  Surface staining of human MCF-7 cell line with anti-human EPCAM purified.

  Protocol Download

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Anti-EPCAM antibody IHC of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/mL.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Anti-EPCAM antibody IHC of human uterus. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/mL.

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- Immunohistochemistry (Frozen sections)
- Immunohistochemistry
- Immunocytochemistry
- Immunoprecipitation
- Western Blot

Gene Info — EPCAM

Entrez GeneID	4072
Protein Accession#	P16422
Gene Name	EPCAM
Gene Alias	17-1A, 323/A3, CD326, CO-17A, CO17-1A, EGP, EGP-2, EGP34, EGP40, ESA, Ep-CAM, GA733-2, HEA125, KS1/4, KSA, M4S1, MH99, MIC18, MK-1, MOC31, TACST-1, TACSTD1, TROP1, hEGP-2
Gene Description	epithelial cell adhesion molecule
Omim ID	185535
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	adenocarcinoma-associated antigen|carcinoma-associated antigen GA733-2|human epithelial glycoprotein-2|membrane component, chromosome 4, surface marker (35kD glycoprotein)|tumor-associated calcium signal transducer 1

Disease

- Genetic Predisposition to Disease
- Ovarian Neoplasms

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