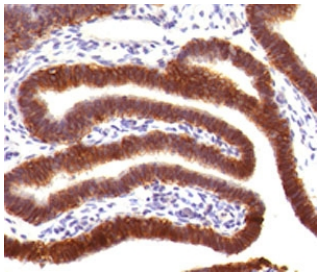
EpCAM Antibody / Extracellular domain [clone EPM17-4] (V7228)

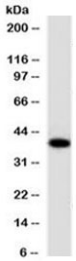
Catalog No.	Formulation	Size
V7228-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7228-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7228SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

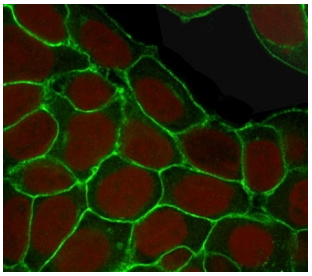
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	EPM17-4
Purity	Protein G affinity chromatography
UniProt	P16422
Localization	Cell surface, cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This EpCAM antibody is available for research use only.



IHC testing of FFPE human fallopian tube with EpCAM antibody (clone EPM17-4). Staining of FFPE tissue requires boiling sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



Western blot testing of human lung lysate with EpCAM antibody (clone EPM17-4). Expected molecular weight: ~35 kDa (unmodified), 40-43 kDa (glycosylated).



Immunofluorescent staining of human MCF7 cells with EpCAM antibody (clone EPM17-4, green) and Reddot nuclear stain (red).

Description

EpCAM 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. [UniProt]

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the EpCAM antibody to be titered up or down for optimal performance.

Immunogen

Human recombinant partial protein (extracellular portion) was used as the immunogen for this EpCAM antibody.

Storage

Store the EpCAM antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

References (2)