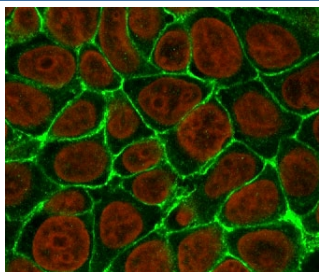


## EpCAM Antibody [clone EPM17-1] (V7010)

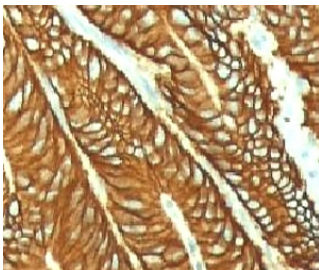
Catalog No.	Formulation	Size
V7010-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7010-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7010SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7010IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

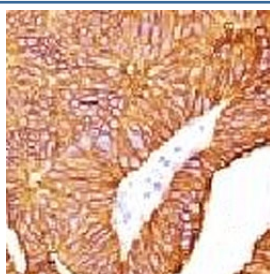
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	EPM17-1
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P16422
<b>Localization</b>	Cell surface, cytoplasmic
<b>Applications</b>	Flow Cytometry : 1-2ug/million cells in 0.1ml Western Blot : 2-4ug/ml Immunofluorescence : 1-2 ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT (1) Prediluted IHC Only Format : incubate for 30 min at RT (2)
<b>Limitations</b>	This EpCAM antibody is available for research use only.



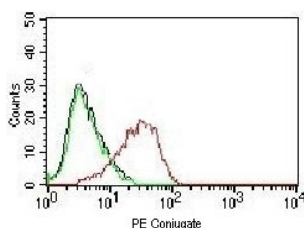
Immunofluorescent staining of human MCF7 cells with EpCAM antibody (clone EPM17-1, green) and Reddot nuclear stain (red).



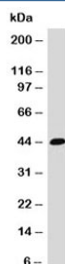
IHC testing of FFPE human colon carcinoma and EpCAM antibody (EPM17-1). FFPE testing requires sections to be boiled in pH 9 10mM Tris with 1mM EDTA for 10-20 minutes, followed by cooling at RT for 20 minutes, prior to staining.



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Flow cytometry testing of human MCF-7 cells using [PE conjugated EpCAM antibody](#) (red) and isotype control (green).



Western blot testing of HCT116 cell lysate and EpCAM antibody (EPM17-1). Expected molecular weight: ~35 kDa (unmodified), 40-43 kDa (glycosylated).

## 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

Titration of the EpCAM antibody may be required for optimal performance.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if

required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## **Immunogen**

Recombinant human protein was used as the immunogen for the EpCAM antibody.

## **Storage**

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