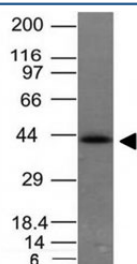


EpCAM Antibody [clone EGP40/837] (V2692)

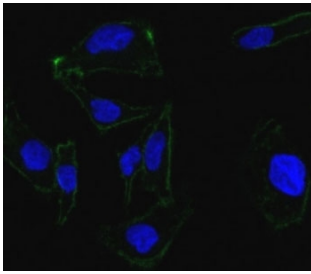
Catalog No.	Formulation	Size
V2692-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2692-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2692SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2692IHC-7ML	Prediluted 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](#)

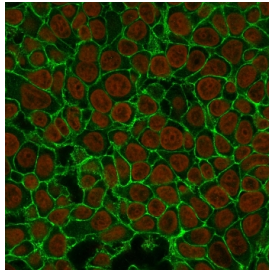
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	EGP40/837
Purity	Protein G affinity chromatography
UniProt	P16422
Localization	Cell surface, cytoplasmic
Applications	Flow Cytometry : 1-2ug/10 ⁶ cells Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This EpCAM antibody is available for research use only.



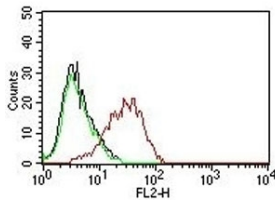
Western blot of HCT116 cell lysate using EpCAM antibody (EGP40/837). Expected molecular weight: ~35 kDa (unmodified), 40-43 kDa (glycosylated).



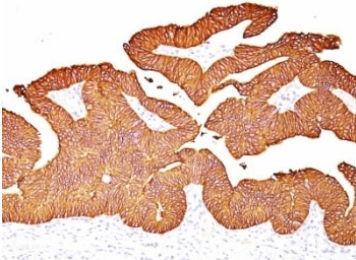
Confocal Immunofluorescent analysis of SK-OV-3 cells using AF488-labeled EpCAM antibody (green). DAPI was used to stain the cell nuclei (blue).



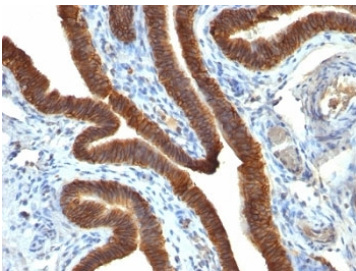
Immunofluorescent staining of human MCF7 cells with EpCAM antibody (clone EGP40/837, green) and Reddot nuclear stain (red).



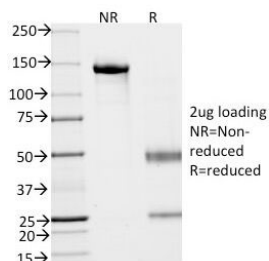
Flow cytometry testing of human MCF-7 cells. Black: cells alone; Green: isotype control; Red: <https://pubmed.ncbi.nlm.nih.gov/123456789/> PE-labeled EpCAM antibody.



IHC: Formalin-fixed, paraffin-embedded human colon carcinoma stained with EpCAM antibody.



IHC: Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with EpCAM antibody.



SDS-PAGE analysis of purified, BSA-free EpCAM antibody (clone EGP40/837) as confirmation of integrity and purity.

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

Optimal dilution of the EpCAM antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min
2. 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).