

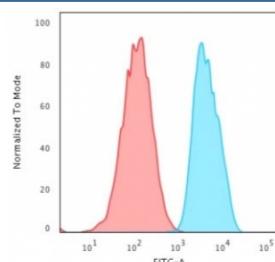
## Recombinant EpCAM Antibody [clone EGP40/2571R] (V8217)

Catalog No.	Formulation	Size
V8217-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8217-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8217SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

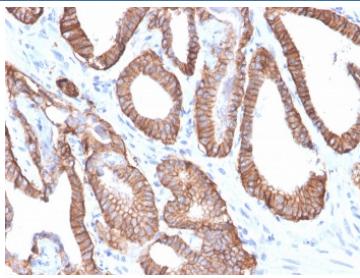
Recombinant RABBIT MONOCLONAL

[Bulk quote request](#)

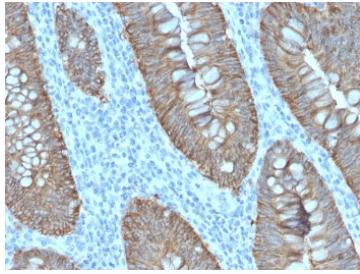
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	EGP40/2571R
Purity	Protein A affinity chromatography
UniProt	P16422
Localization	Cell surface, cytoplasmic
Applications	Flow Cytometry : 1-2ug/10 <sup>6</sup> cells in 0.1ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant EpCAM antibody is available for research use only.



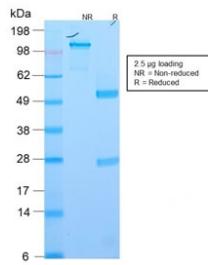
Flow cytometry testing of human MCF7 cells with recombinant EpCAM antibody (clone EGP40/2571R); Red=isotype control, Blue= recombinant EpCAM antibody.



IHC staining of FFPE human prostate carcinoma with recombinant EpCAM antibody (clone EGP40/2571R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



IHC staining of FFPE human colon carcinoma with recombinant EpCAM antibody (clone EGP40/2571R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant EpCAM antibody (clone EGP40/2571R) as confirmation of integrity and purity.

## Description

EGP40 is a 40-43kDa transmembrane epithelial glycoprotein, also identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). It is expressed on baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas. Antibody to Ep-CAM has been used to distinguish adenocarcinoma from pleural mesothelioma and hepatocellular carcinoma. This antibody is also useful in distinguishing serous carcinomas of the ovary from mesothelioma.

## Application Notes

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

## Immunogen

A recombinant human partial protein (amino acids 100-224) was used as the immunogen for the EpCAM antibody. The epitope of this mAb has been mapped to between amino acids 202-212.

## Storage

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

