

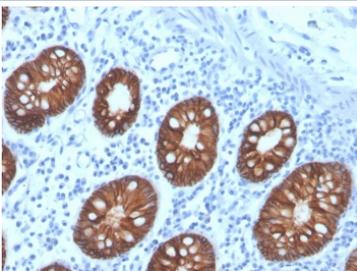
## Recombinant EpCAM Antibody [clone rEGP40/4547] (V8650)

Catalog No.	Formulation	Size
V8650-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8650-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8650SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

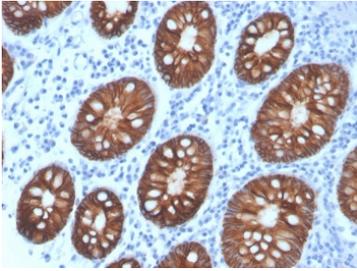
Recombinant **MOUSE MONOCLONAL**

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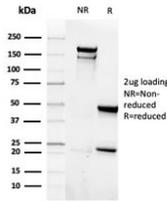
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Recombinant Mouse Monoclonal
<b>Isotype</b>	Mouse IgG2a, kappa
<b>Clone Name</b>	rEGP40/4547
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P16422
<b>Localization</b>	Cell surface, cytoplasmic
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
<b>Limitations</b>	This recombinant EpCAM antibody is available for research use only.



IHC staining of FFPE human colon carcinoma with recombinant EpCAM antibody (clone rEGP40/4547). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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SDS-PAGE analysis of purified, BSA-free recombinant EpCAM antibody (clone rEGP40/4547) 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 with the exception of adult squamous epithelium, hepatocytes and gastric epithelial cells. This antibody 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

Recombinant full-length human EpCAM protein was used as the immunogen for the recombinant EpCAM antibody. The binding epitope of this antibody is located in the first EGF-like repeat domain (EGF1) between amino acids 27-59.

## Storage

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