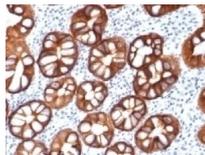




# Recombinant EpCAM Antibody [rMOC-31]

Cat. No.: 33-808



Recombinant EpCAM Antibody [rMOC-31]

## Ψ Specifications

<b>HOST SPECIES:</b>	Mouse
<b>SPECIES REACTIVITY:</b>	Human
<b>IMMUNOGEN:</b>	Neuraminidase treated GLS-1 human small cell lung carcinoma cells were used as the immunogen for the recombinant EpCAM antibody.
<b>TESTED APPLICATIONS:</b>	IF, IHC-P
<b>APPLICATIONS:</b>	<p>Prediluted format: incubate for 30 min at RT (1)</p> <p>Optimal dilution of the recombinant EpCAM antibody should be determined by the researcher.</p> <p>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.</p>
<b>SPECIFICITY:</b>	Does not react with rat

## Ψ Properties

<b>PURIFICATION:</b>	Protein G affinity chromatography
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	IgG1, kappa
<b>CONJUGATE:</b>	Unconjugated

<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	PBS with 0.1 mg/ml BSA and 0.05% sodium azide
<b>CONCENTRATION:</b>	0.2 mg/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and Store at 2-8 °C. Avoid freez-thaw cycles.

## Additional Info

<b>OFFICIAL SYMBOL:</b>	EPCAM
<b>ALTERNATE NAMES:</b>	Epithelial cell adhesion molecule, Ep-CAM, Adenocarcinoma-associated antigen, Cell surface glycoprotein Trop-1, Epithelial cell surface antigen, Epithelial glycoprotein, EGP, Epithelial glycoprotein 314, EGP314, hEGP314, KS 1/4 antigen, KSA, Major gastrointestinal tumor-associated protein GA733-2, Tumor-associated calcium signal transducer 1, CD326, EPCAM, GA733-2, M1S2, M4S1, MIC18, TACSTD1, TROP1
<b>GENE ID:</b>	4072
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher

## Background and References

<b>BACKGROUND:</b>	Binding epitope of this antibody is located in the first EGF-like repeat domain (EGF1) between amino acids 27-59 of Ep-CAM. 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.
--------------------	---

### ANTIBODIES FOR RESEARCH USE ONLY.

For additional information, visit ProSci's [Terms & Conditions Page](#).