

## Rat EpCAM Antibody [clone Epcam/1158] (V3117S)

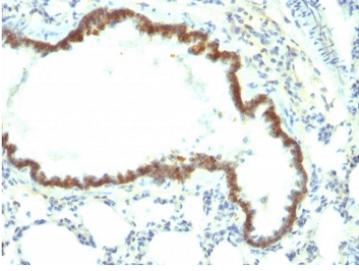
Catalog No.	Formulation	Size
V3117S-0.5ML	Bioreactor concentrate with 0.05% sodium azide	0.5 ml
V3117S-0.1ML	Bioreactor concentrate with 0.05% sodium azide	0.1 ml
V3117IHC-7ML	Prediluted in 1X PBS, 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Rat and Mouse. Does not react with Human. Others species not known.
<b>Format</b>	Bioreactor concentrate
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	Epcam/1158
<b>Purity</b>	Unpurified high titer supernatant
<b>UniProt</b>	O55159
<b>Localization</b>	Cell surface, cytoplasmic
<b>Applications</b>	Immunohistochemistry (FFPE) : 1:50-1:100 30 min at RT (1) Prediluted IHC Only Format : incubate for 30 min at RT (3)
<b>Limitations</b>	This rat EpCAM antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded rat colon stained with EpCAM antibody (Epcam/1158).



IHC: Formalin-fixed, paraffin-embedded rat lung stained with EpCAM antibody (Epcam/1158).

## 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.

## Application Notes

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

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.
2. The epitopes of mAbs Epcam/1158 and [Epcam/1159](#) monoclonal antibodies are different.
3. 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 full-length rat protein was used as the immunogen for the rat EpCAM antibody.

## Storage

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