

# **EpCAM Antibody Cocktail [clone PAN-EpCAM] (V2694)**

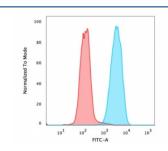
Catalog No.	Formulation	Size
V2694-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2694-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2694SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2694IHC-7ML	Prediluted 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**

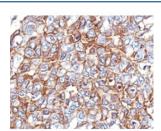
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG, kappa
Clone Name	PAN-EpCAM
Purity	Protein G affinity chromatography
UniProt	P16422
Localization	Cell surface, cytoplasmic
Applications	Flow Cytometry: 1-2ug/million cells Immunofluorescence: 1-2ug/ml Western Blot: 1-2ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT
Limitations	This EpCAM antibody cocktail is available for research use only.



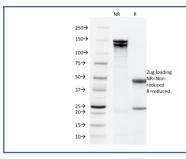
Western blot testing of human lung lysate with EpCAM antibody cocktail (clone PAN-EpCAM).



Flow cytometry testing of PFA-fixed human MCF7 cells with EpCAM antibody cocktail (clone PAN-EpCAM); Red=isotype control, Blue= EpCAM antibody cocktail antibody.



IHC: Formalin-fixed, paraffin-embedded human breast carcinoma stained with EpCAM antibody cocktail (PAN-EpCAM).



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

#### **Description**

This is a cocktail of four highly specific monoclonal antibodies (EGP40/826, EGP40/837, EGP40/1110, EGP40/1120) that recognize extracellular as well as intracellular domains of the epithelial cellular adhesion molecule (Ep-CAM). It is a 40-43kDa transmembrane epithelial glycoprotein, identified as epithelial specific antigen (ESA), or Ep-CAM. Ep-CAM is expressed on baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas. This epithelial antigen plays an important role as a tumor-cell marker in lymph nodes from patients with esophageal carcinoma otherwise classified as node-negative. Epithelial antigen has also been suggested as a discriminator between basal cell and baso-squamous carcinomas, and squamous cell carcinoma of the skin.

### **Application Notes**

Optimal dilution of the EpCAM antibody cocktail 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 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 cocktail.

### Storage

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