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## 36-1411: Monoclonal Antibody to Ep-CAM / CD326 (Epithelial Marker)(PAN-EpCAM (Cocktail))

Clonality: Monoclonal

Clone Name : PAN-EpCAM (Cocktail)
Application : FACS,IF,WB,IHC

Reactivity: Human
Gene: EPCAM
Gene ID: 4072
Uniprot ID: P16422
Format: Purified

Alternative Name: EPCAM,GA733-2,M1S2,M4S1,MIC18,TACSTD1,TROP1

**Isotype:** Mouse IgG1 s, kappa

Immunogen Information: Recombinant human Ep-CAM protein (full-length and fragments)

## **Description**

It 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.

## **Product Info**

**Amount :** 100 μg

**Purification:** Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

Storage condition:

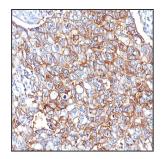
Storage condition:

Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes),



Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Ep-CAM Monoclonal Antibody (PAN-EpCAM).