Recombinant EpCAM / CD326 (Epithelial Marker) Antibody

Mouse Monoclonal Antibody [Clone rEGP40/9430]

Catalog No	Format	Size
4072-MSM41-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4072-MSM41-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4072-MSM41-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

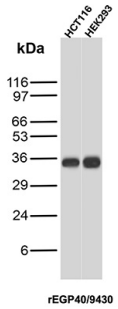
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	rEGP40/9430
Immunogen	Recombinant full-length human EpCAM protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	34.93kDa
Cellular Localization	Cell junction, Lateral cell membrane, Tight junction
Species Reactivity	Human
Positive Control	MCF-7 or HT29 cells. Breast tumor.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant EpCAM / CD326 (Epithelial Marker) Antibody



Western blot analysis of HCT116 and HEK293 cell lysates using EpCAM Mouse Recombinant Monoclonal Antibody (rEGP40/9430).

Specificity & Comments

Recognizes a 40-43kDa transmembrane epithelial glycoprotein, 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. It is also useful in distinguishing serous carcinomas of the ovary from mesothelioma. It has been reported that 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.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.