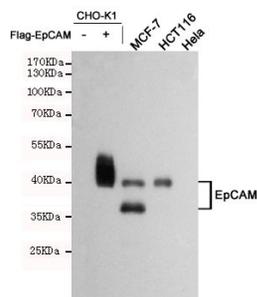




EpCAM

Mouse monoclonal Antibody

#53564

Catalog Number: 53564**Amount:** 100µg/100µl**Swiss-Prot No. :** P16422**Gene name:** cd326**Gene id:** 4072**Clone Number:** 1D5-B6-B10**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human EpCAM protein fragments expressed in E.coli.**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of EpCAM and does not cross-react with related proteins**Reactivity:** Human**Applications:** Predicted MW: 39kd WB: 1:1000

Western blot analysis of extracts from CHO-K1, CHO-K1 transfected by Flag-EpCAM, MCF7 (EpCAM positive), HCT116 (EpCAM positive), and HeLa (EpCAM negative) cell lysates using EpCAM mouse mAb (1:1000 diluted). Predicted band size: 39 kDa. Observed band size: 39/35 kDa.

Background :

This gene encodes a carcinoma-associated antigen and is a member of a family that includes at least two type I membrane proteins. This antigen is expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion molecule. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in this gene result in congenital tufting enteropathy.