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Human CellExp EpCAM/CD326, human recombinant protein

EPCAM, DIAR5, DIAR-5, EGP-2, EGP2, EGP314, EGP-314, EGP40, EGP-40, ESA, GA733-2, HNPCC8, HNPCC-8, KS

Catalog # PBV11071r

Specification

Human CellExp EpCAM/CD326, human recombinant protein - Product info

Primary Accession	P16422
Calculated MW	**This protein contains a poly histidine tag at C-terminus and has a calculated MW of 29 kDa after removal of signal peptide. The predicted N-terminus is Gln24. In DTT-reduced SDS-PAGE, rh EpCAM protein migrates as 33-36 kDa poly peptide due to glycosylation. KDa**

Human CellExp EpCAM/CD326, human recombinant protein - Additional Info

Gene ID	**4072**
Gene Symbol	**EPCAM**

Other Names

EPCAM, DIAR5, DIAR-5, EGP-2, EGP2, EGP314, EGP-314, EGP40, EGP-40, ESA, GA733-2, HNPCC8, HNPCC-8, KS1/4, KSA, M4S1, MIC18, MIC-18, MK-1, MK1, TACSTD1, TACSTD-1, TROP1, TROP-1, CD326, CD-326, Epithelial cell adhesion molecule, tumor-associated calcium signal transducer 1, cluster of differentiation 326.

Gene Source	**Human**
Source	**HEK293 cells**
Assay&Purity	**SDS-PAGE; ≥95%**
Assay2&Purity2	**N/A;**
Recombinant	**Yes**
Results	**Measured by its binding ability in a functional ELISA. Immobilized recombinant human Cathepsin V at 10 µg/mL (100 µl/well) can bind biotinylated EpCAM. The EC50 of biotinylated EpCAM is 50-70 ng/mL.**

Target/Specificity

EpCAM/CD326

Application Notes

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format

Lyophilized

Storage

-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally Mannitol or Trehalose is

added as protectants before lyophilization.

Human CellExp EpCAM/CD326, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human CellExp EpCAM/CD326, human recombinant protein - Images

Human CellExp EpCAM/CD326, human recombinant protein - Background

EpCAM is also known as CO171A,; EGP; EGP40; GA7332; KSA; M4S; MIC18; MK1; TROP1; hEGP2, and is a pan-epithelial differentiation antigen that is expressed on almost all carcinomas as 17-1A(mAb) antigen. Its constitutional function is being elucidated. It is intricately linked with the Cadherin-Catenin pathway and hence the fundamental WNT pathway responsible for intracellular signaling and polarity. The epithelial cell adhesion molecule (Ep-CAM) is known to express in most epithelial malignancies and was reported as a tumor marker or a candidate of molecular targeting therapy. Ep-CAM cross signaling with N-cadherin involves Pi3K, resulting in the abrogation of the cadherin adhesion complexes in epithelial cells was reported. And epithelial cell adhesion molecule (Ep-CAM) recently received increased attention as a prognostic factor in breast cancer.

Human CellExp EpCAM/CD326, human recombinant protein - References

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