

Datasheet for ABIN7505355
EpCAM Protein (AA 24-266) (His tag)



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Overview

Quantity:	100 µg
Target:	EpCAM (EPCAM)
Protein Characteristics:	AA 24-266
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This EpCAM protein is labelled with His tag.

Product Details

Sequence:	Glu24-Thr266
Characteristics:	A DNA sequence encoding the Mouse EpCAM (Q99JW5-1) (Glu24-Thr266) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.

Target Details

Target:	EpCAM (EPCAM)
Alternative Name:	EpCAM (EPCAM Products)
Background:	Abbreviation: EpCAM Target Synonym: 17 1A,323/A3,Adenocarcinoma associated antigen,Adenocarcinoma-associated antigen,Antigen identified by monoclonal AUA1,AUA1,CD326,CD326 antigen,Cell surface glycoprotein Trop 1,Cell surface glycoprotein Trop 2,Cell surface glycoprotein Trop-

Target Details

1,CO 17A,CO17 1A,CO17A,DIAR5,EGP 2,EGP,EGP2,EGP314,EGP40,Ep CAM,Ep-CAM,EPCAM,EPCAM,EpCAM1,Epithelial cell adhesion molecule,Epithelial Cell Adhesion Molecule Intracellular Domain (EpCAM-ICD),Epithelial cell surface antigen,Epithelial cellular adhesion molecule,Epithelial glycoprotein 1,Epithelial glycoprotein 314,Epithelial glycoprotein,ESA,GA733 1,GA733 2,GA733-2,gastrointestinal tumor-associated antigen 2,35-KD glycoprotein,gp4,hEGP 2,hEGP314,HNPCC8,Human epithelial glycoprotein 2,KS 1/4 antigen,KS1/4,KSA,Ly74,Lymphocyte antigen 74,M1S 1,M1S2,M4S1,Major gastrointestinal tumor associated protein GA733 2,Major gastrointestinal tumor-associated protein GA733-2,mEGP314,Membrane component chromosome 4 surface marker (35kD glycoprotein),Membrane component,chromosome 4,surface marker 1,Membrane component,chromosome 4,surface marker,MIC18,MK 1,Protein 289A,TACD1,TACSTD1,TROP1,Tumor associated calcium signal transducer 1,Tumor associated calcium signal transducer 2 precursor,Tumor-associated calcium signal transducer 1

Background: Epithelial cell adhesion molecule (EpCAM,CD326) is a type I transmembrane glycoprotein that functions as a homophilic,epithelial-specific intercellular cell-adhesion molecule. In addition to cell adhesion,EpCAM is also involved in cellular signaling,cell migration,proliferation,and differentiation. EpCAM is highly expressed on most carcinomas and therefore of potential use as a diagnostic and prognostic marker for a variety of carcinomas,and has become a therapeutic target.

Molecular Weight: Calculated MW: 27.65 kDa
 Observed MW: 30 kDa

UniProt: [Q99JW5-1](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
 Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Handling

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months