Datasheet for ABIN7319731

EpCAM Protein (His tag,AVI tag)

Go to Product page

Overview

Quantity:	100 µg
Target:	EpCAM (EPCAM)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EpCAM protein is labelled with His tag,AVI tag.

Product Details

Purpose:	Recombinant Human EpCAM/TROP-1 Protein (His & Avi Tag)
Sequence:	Gln24-Lys265(Met115Thr)
Characteristics:	Biotinylated Recombinant Human EpCAM is produced by our Mammalianexpression system and the target gene encoding Gln24-Lys265(Met115Thr) is expressed with a 6His, Avitag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	EpCAM (EPCAM)
Alternative Name:	EpCAM/TROP-1 (EPCAM Products)
Background:	Background: Epithelial Cell Adhesion Molecule (EpCAM) is a signal type I transmembrane glycoprotein that belongs to the EPCAM family. EpCAM is composed of an extracellular domain

Target Details

	with one thyroglobulin type-1 domain, a transmembrane domain and a cytoplasmic domain. EpCAM is found on the surface of adenocarcinoma, but not on mesodermal or neural cell membranes. The EpCAM molecule has been shown to function as a homophilic Ca2+ independent adhesion molecule. It may act as a physical homophilic interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium as an immunological barrier providing the first line of defense against infection. Defects in EPCAM are a cause of hereditary non-polyposis colorectal cancer type 8 (HNPCC8) and diarrhea type 5 (DIAR5). EpCAM plays a role in embryonic stem cells proliferation and differentiation, it up-regulates the expression of FABP5, MYC and Cyclin A and Cyclin E. It is highly and selectively expressed by undifferentiated embryonic stem cells. Synonym: Epithelial Cell Adhesion Molecule, Ep-CAM, Adenocarcinoma-Associated Antigen,Cell Surface Glycoprotein Trop-1, Epithelial Cell Surface Antigen, EpithelialGlycoprotein, EGP, Epithelial Glycoprotein 314, EGP314, hEGP314, KSA, Tumor-Associated Calcium Signal Transducer 1, CD326, EPCAM
Molecular Weight:	30.2 kDa
UniProt:	P16422

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Storage:	4 °C,-20 °C,-80 °C
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.