

ARG70499 Mouse EpCAM recombinant protein (His-tagged)

Package: 100 µg
Store at: -20°C

Summary

Product Description	CHO expressed, His-tagged Mouse EpCAM recombinant protein.
Tested Application	SDS-PAGE
Target Name	EpCAM
Species	Mouse
A.A. Sequence	Met1-Thr266
Expression System	CHO
Alternate Names	EPCAM; Epithelial Cell Adhesion Molecule; TROP1; KSA; Tumor-Associated Calcium Signal Transducer 1; GA733-2; Ber-Ep4; TACSTD1; Ep-CAM; MOC-31; BerEp4; EGP40; EGP-2; KS1/4; MIC18; MK-1; M4S1; ESA; Major Gastrointestinal Tumor-Associated Protein GA733-2; Trophoblast Cell Surface Antigen 1; Adenocarcinoma-Associated Antigen; Cell Surface Glycoprotein Trop-1; Epithelial Glycoprotein 314; TACST-1; HEA125; 323/A3; CO-17A; EGP314; EGP34; CD326; MOC31; 17-1A; Ly74; MH99; Membrane Component, Chromosome 4, Surface Marker (35kD Glycoprotein); Antigen Identified By Monoclonal Antibody AUA1; Human Epithelial Glycoprotein-2; Epithelial Cell Surface Antigen; Epithelial Glycoprotein; KS 1/4 Antigen; CD326 Antigen; HEGP314; HNPCC8; LYNCH8; DIAR5; M1S2; EGP

Properties

Form	Powder
Purification	>95% (by SDS-PAGE)
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	EPCAM
Gene Full Name	Epithelial Cell Adhesion Molecule
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. [provided by RefSeq, Dec 2008]
Function	May act as a physical homophilic interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium for providing immunological barrier as a

first line of defense against mucosal infection. Plays a role in embryonic stem cells proliferation and differentiation. Up-regulates the expression of FABP5, MYC and cyclins A and E.[Uniprot]