9051 Mira Mesa Blvd, #910094
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EPCAM Human, sf9

Epithelial Cell Adhesion Molecule Human Recombinant, Sf9
RCP0761

Product Overview

Name	EPCAM Human, sf9

Description

Epithelial Cell Adhesion Molecule Human Recombinant, Sf9

Accession (Primary)	P16422

Synonyms

Epithelial Cell Adhesion Molecule , Tumor-Associated Calcium Signal Transducer 1, Major Gastrointestinal Tumor-Associated Protein GA733-2, Adenocarcinoma-Associated Antigen, Cell Surface Glycoprotein Trop-1, Epithelial Glycoprotein 314, TACSTD1, EGP314, MIC18, TROP1, M4S1, KSA, 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, GA733-2, HEGP314, HNPCC8, Ep-CAM, DIAR5, EGP-2, EGP40, KS1/4, MK-1, M1S2, ESA, EGP, EPCAM.

Introduction

EPCAM is a carcinoma-associated antigen and belongs to a family which includes at least 2 type I membrane proteins. The EPCAM protein has a role in embryonic stem cells proliferation and differentiation. EPCAM is used as a target for immunotherapy treatment of human carcinomas. EPCAM is expressed on most normal epithelial cells and gastrointestinal carcinomas and acts as a homotypic calcium-independent cell adhesion molecule. Epithelial cell adhesion molecules (EPCAM) can act as a physical homophilic interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium for supplying immunological barrier as a first line of defense against mucosal infection. EPCAM gene mutations result in congenital tufting enteropathy.

Source

Sf9, Baculovirus cells.

Physical Appearance

Sterile filtered colorless solution.

Formulation

EPCAM protein solution (1mg/ml) contains Phosphate buffered saline (pH7.4) and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

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Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

QEECVCENYK LAVNCFVNNN RQCQCTSVGA QNTVICSKLA AKCLVMKAEM NGSKLGRRAK PEGALQNNDG LYDPDCDESG LFKAKQCNGT STCWCVNTAG VRRTDKDTEI TCSERVRTYW IIIELKHKAR EKPYDSKSLR TALQKEITTR YQLDPKFITS ILYENNVITI DLVQNSSQKT QNDVDIADVA YYFEKDVKGE SLFHSKKMDL TVNGEQLDLD PGQTLIYYVD EKAPEFSMQG LK HHHHHH

Precautions

EPCAM Human, sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P16422)