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32-13213: EPCAM Human, sf9

Alternative Name :	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.

Description

Source: Sf9, Baculovirus cells.
Sterile filtered colorless solution.
Â 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.
EPCAM produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (24-265 a.a.) and fused to a 6 aa His Tag at C-terminus containing a total of 248 amino acids and having a molecular mass of 28.2kDa.EPCAM shows multiple bands between 28-40kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	EPCAM protein solution (1mg/ml) contains Phosphate buffered saline (pH7.4) and 10% glycerol.
Storage condition :	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.
Amino Acid :	QEECVCENYK LAVNCFVNNN RQCQCTSVGA QNTVICSKLA AKCLVMKAEM NGSKLGRRAK PEGALQNNDG LYDPDCDESG LFKAKQCNGT STCWCVNTAG VRRTDKDTEI TCSERVRTYW IIIELKHKAR EKPYDSKSLR TALQKEITTR YQLDPKFITS ILYENNVITI DLVQNSSQKT QNDVDIADVA YYFEKDVKGE SLFHSKKMDL TVNGEQLDLD PGQTLIYYVD EKAPEFSMQG LKHHHHHH