

Biotinylated Human EpCAM/TROP1 Protein

Cat. No. CAM-HM4EPB

Description

Source	Recombinant Biotinylated Human EpCAM/TROP1 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gln24-Lys265.
Accession	P16422
Molecular Weight	The protein has a predicted MW of 30.1 kDa. Due to glycosylation, the protein migrates to 30-45 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

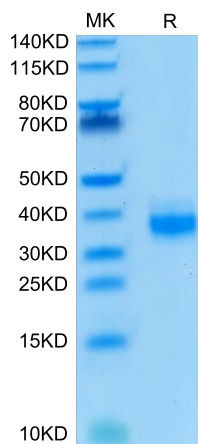
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Epithelial Cellular Adhesion Molecule (EpCAM), also known as KS1/4, gp40, GA733-2, 17-1A, and TROP1, is a 40 kDa transmembrane glycoprotein that consists of a 242 amino acid (aa) extracellular domain with two EGFLike repeats, a 23 aa transmembrane segment, and a 26 aa cytoplasmic domain.

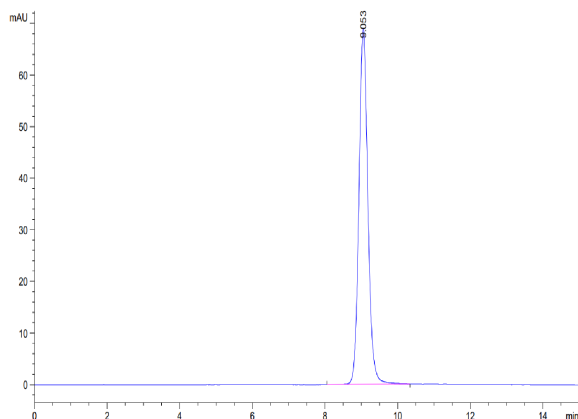
Assay Data

Bis-Tris PAGE



Biotinylated Human EpCAM on Bis-Tris PAGE under reduced condition. The purity is greater than 95%..

SEC-HPLC



The purity of Biotinylated Human EpCAM is greater than 95% as determined by SEC-HPLC.

Biotinylated Human EpCAM/TROP1 Protein

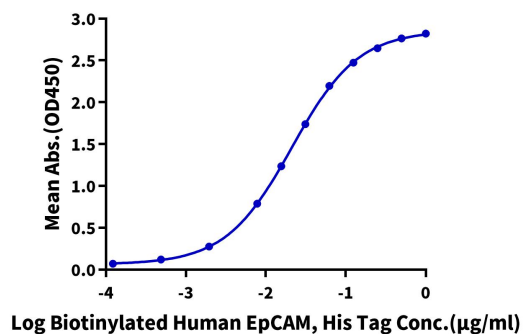
Cat. No. CAM-HM4EPB

Assay Data

ELISA Data

Biotinylated Human EpCAM, His Tag ELISA

0.2µg Anti-EpCAM Antibody, hFc Tag Per Well



Immobilized Anti-EpCAM Antibody, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human EpCAM, His Tag with the EC50 of 21.1ng/ml determined by ELISA (QC Test).