

Biotinylated Recombinant Human Ep-CAM/TROP-1/CD326 Protein

Catalog No.: RP02540B

Sequence Information

Species	Gene ID
Human	4072
Swiss Prot	Tags
P16422	C-His&Avi

Synonyms

CD326; EGP; EGP-2; EGP314; EGP40; EpCAM; 17-1A; 323/A3; ACSTD1; DIAR5; GA733-2; gp40; HNPPC8; KS1/4; KSAHEA125; M1S2; M4S1; M4S1Ly74; MIC18MH99; MOC31; TACST-1; TACSTD1; TROP1; ESA; KS1,4; KSA; MIC18; MK1

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW/Observed MW

30.1 kDa 30-45 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5%

Background

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

Basic Information

Description

Biotinylated Recombinant Human Ep-CAM/TROP-1/CD326 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Gln24-Lys245) of Human Ep-CAM/TROP-1/CD326 fused with a His and Avi tag at the C-terminal.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

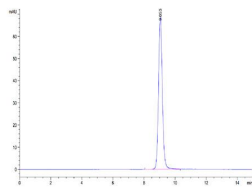
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

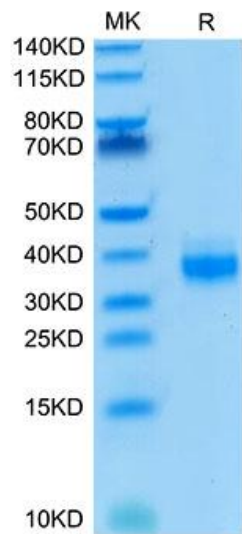
		400-999-6126
		cn.market@abclonal.com.cn
		www.abclonal.com.cn

Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

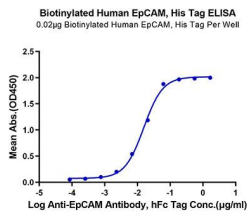
Validation Data



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



Biotinylated Recombinant Human Ep-CAM/TROP-1/CD326 Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Biotinylated Human EpCAM, His Tag at 0.2μg/ml (100ul/Well) on the plate. Dose response curve for Anti-EpCAM Antibody, hFc Tag with the EC₅₀ of 15.6 ng/ml determined by ELISA.