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

Catalog No.: RP00073

Sequence Information

Species
Human

Gene ID
4072

Swiss Prot
P16422

Tags
C-His

Synonyms
DIAR5, EGP-2, EGP314, EGP40, ESA, HNPCC8, KS1/4, KSA, M4S1, MIC18, MK-1, TACSTD1, TROP1, EPCAM, DIAR5, epithelial cell adhesion molecule,EGP-2,EGP314, EGP40,ESA,HNPCC8,KS1/4,KSA, M4S1,MIC18,MK-1,TACSTD1, TROP1

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
28.26 kDa

Observed MW
35-40 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

This protein is 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.

Basic Information

Description
Recombinant Human Ep-CAM/TROP-1/CD326 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln24-Lys265) of human EpCAM/TROP-1 (Accession #NP_002345.2) fused with a 6×His tag at the C-terminus.

Activity
Measured by the ability of the immobilized protein to support the adhesion of NIH-3T3 mouse embryonic fibroblast cells. When 5×10^4 cells/well are added to Ep-CAM coated plates (1.25 μg/mL and 100 μL/well) , approximately 40% cells will adhere specifically after 30 minutes at 37℃.

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℃

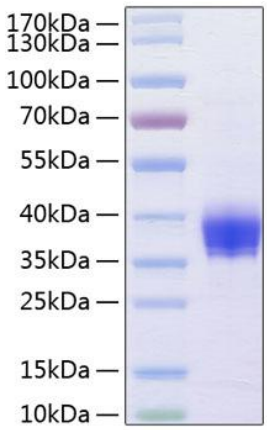
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human Ep-CAM/TROP-1/CD326 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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