

Cynomolgus/Rhesus macaque EpCAM/TROP1 Protein

Cat. No. CAM-CM0EP

Description

| | |
|-------------------------|---|
| Source | Recombinant Cynomolgus/Rhesus macaque EpCAM/TROP1 Protein is expressed from HEK293 without tag. It contains Gln24-Lys265. |
| Accession | NP_001035118.1 |
| Molecular Weight | The protein has a predicted MW of 27.38 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Tris-Bis PAGE result. |
| Endotoxin | Less than 1EU per µg by the LAL method. |
| Purity | > 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC |

Formulation and Storage

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|-----------------------|---|
| Formulation | Lyophilized from 0.22 µm 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. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days 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 EGFl like repeats, a 23 aa transmembrane segment, and a 26 aa cytoplasmic domain.

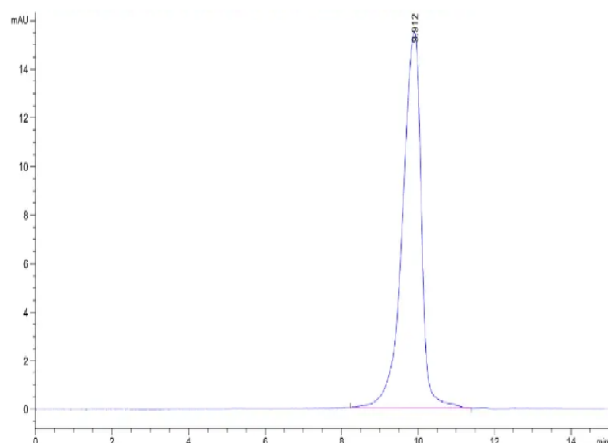
Assay Data

Tris-Bis PAGE



Cynomolgus/Rhesus macaque EpCAM on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



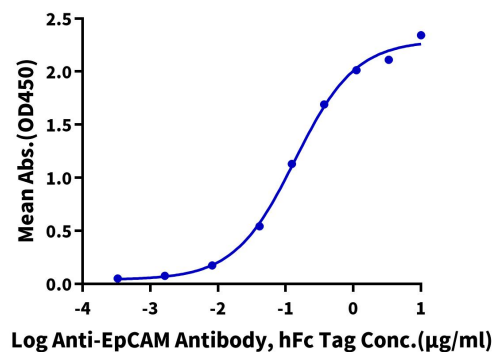
The purity of Cynomolgus/Rhesus macaque EpCAM is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Rhesus macaque/Cynomolgus EpCAM, His Tag ELISA

0.2µg Rhesus macaque/Cynomolgus EpCAM, His Tag Per Well



Immobilized Rhesus macaque/Cynomolgus EpCAM, No Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-EpCAM Antibody, hFc Tag with the EC50 of 0.14µg/ml determined by ELISA.