

Cynomolgus/Rhesus macaque EpCAM/TROP1 Protein



Cat. No. CAM-CM0EP

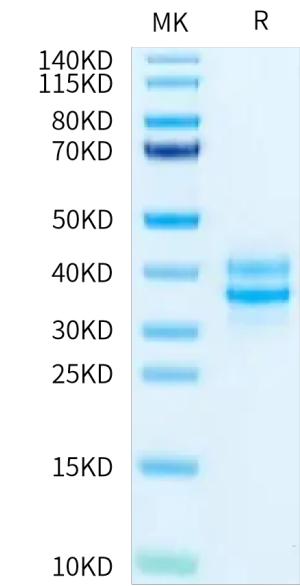
Description	
Source	Recombinant Cynomolgus/Rhesus macaque EpCAM/TROP1 Protein is expressed from HEK293 without tag. It contains Gln24-Lys265.
Accession	NP_001035118.1
Molecular Weight	The protein has a predicted MW of 27.38 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Bis-Tris 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 0.22 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. -80°C for 3-6 months 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

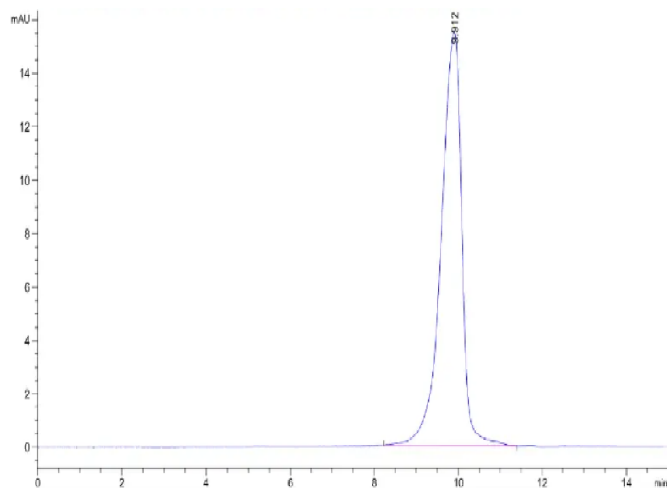
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

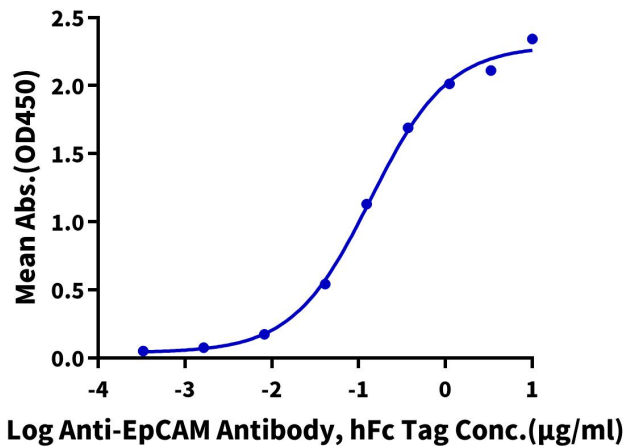


The purity of Cynomolgus/Rhesus macaque EpCAM is greater than 95% as determined by SEC-HPLC.

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.