

Cynomolgus/Rhesus macaque CD117 Protein



Cat. No. CD1-CM117

Description	
Source	Recombinant Cynomolgus/Rhesus macaque CD117 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln26-Pro520.
Accession	XP_005555332.1(Cynomolgus) / AFE78183.1(Rhesus macaque)
Molecular Weight	The protein has a predicted MW of 56.69 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU 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	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
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	
The c-kit proto-oncogen (CD117) has been shown to be present in several cell types including normal and neoplastic hemopoietic cells. Among normal BM cells, CD117 expression has been found in about half of the CD34 precursors including progenitors committed to the erythroid, granulo-monocytic, and megakaryocytic cell lineages.	

Assay Data

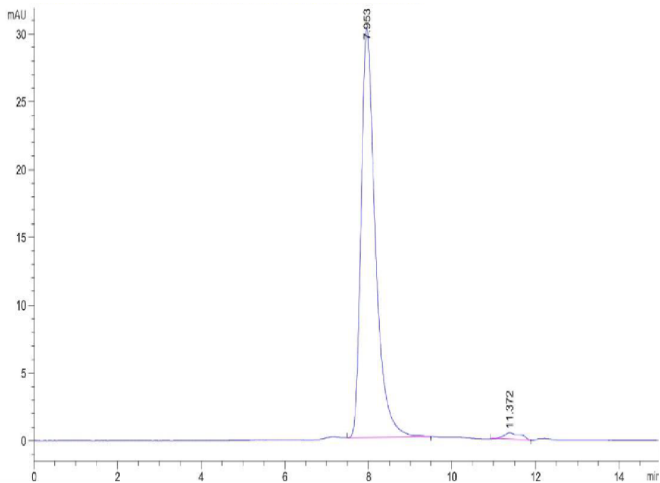
Bis-Tris PAGE



Cynomolgus/Rhesus macaque CD117 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data

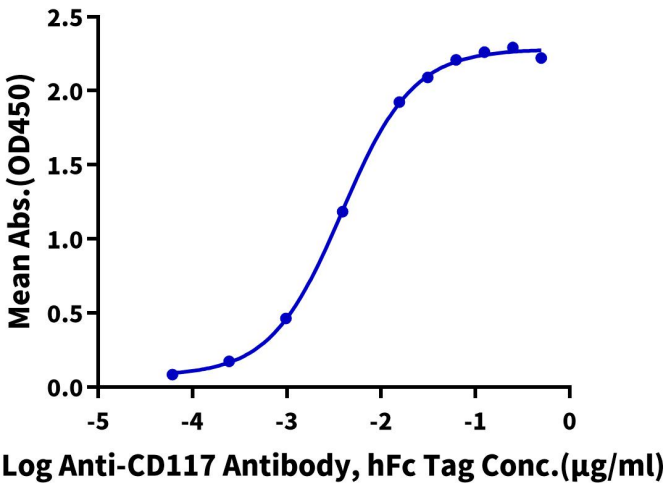


The purity of Cynomolgus/Rhesus macaque CD117 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus CD117, His Tag ELISA

0.05µg Cynomolgus CD117, His Tag Per Well

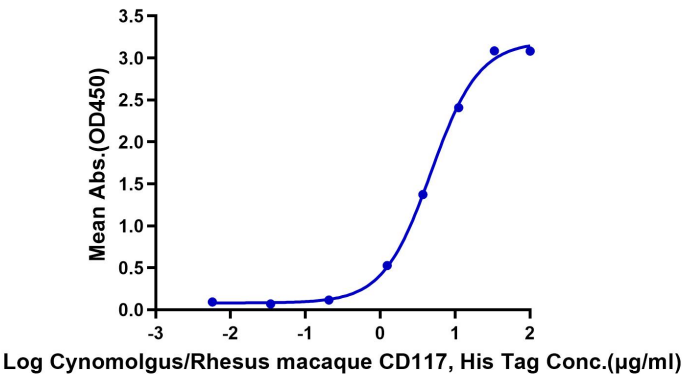


Immobilized Cynomolgus/Rhesus macaque CD117, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CD117 Antibody, hFc Tag with the EC50 of 3.8ng/ml determined by ELISA (QC Test).

ELISA Data

Cynomolgus/Rhesus macaque CD117, His Tag ELISA

0.5µg Human SCF, No Tag Per Well



Immobilized Human SCF, No Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Cynomolgus/Rhesus macaque CD117, His Tag with the EC50 of 4.76µg/ml determined by ELISA.