

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/AFE78183.1
Molecular Weight	The protein has a predicted MW of 56.69 kDa. Due to glycosylation, the protein migrates to 90-110 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

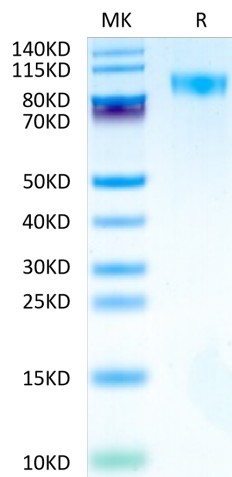
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled 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

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

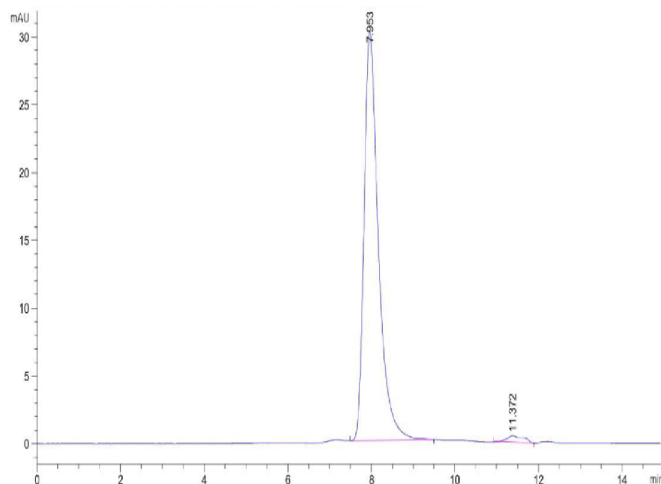
Tris-Bis PAGE



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

SEC-HPLC

Assay Data

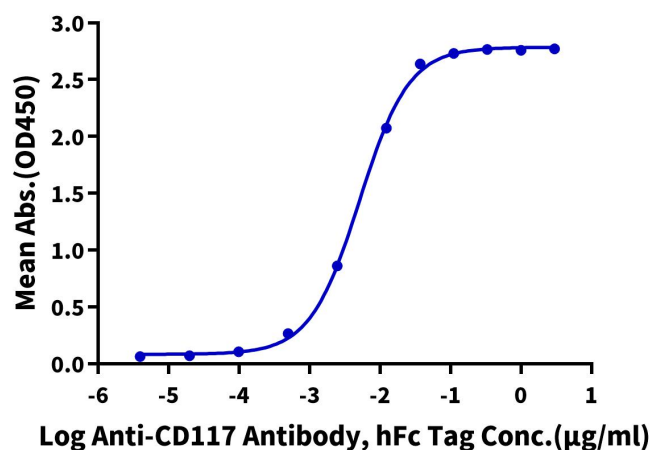


The purity of Cynomolgus/Rhesus macaque CD117 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus/Rhesus macaque CD117, His Tag ELISA

0.05µg Cynomolgus/Rhesus macaque CD117, His Tag Per Well

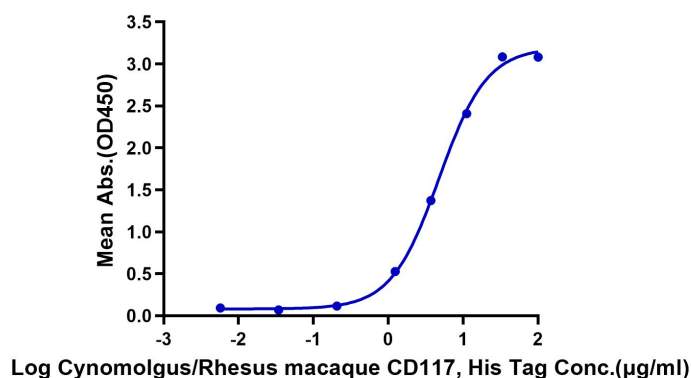


Immobilized Cynomolgus/Rhesus macaque CD117, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CD117 Antibody, hFc Tag with the EC50 of 5.1ng/ml determined by ELISA (QC Test).

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.