

Biotinylated Human CD117 Protein

Cat. No. CD1-HM417B



Description

Source	Recombinant Biotinylated Human CD117 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Gln26-Pro520.
Accession	P10721-2
Molecular Weight	The protein has a predicted MW of 58.60 kDa. Due to glycosylation, the protein migrates to 75-105 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

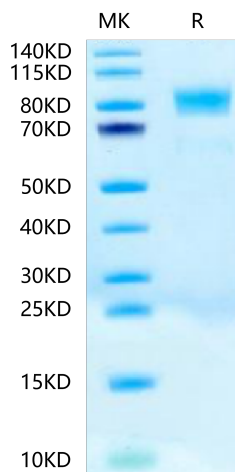
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The c-kit proto-oncogen (CD 117) 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.

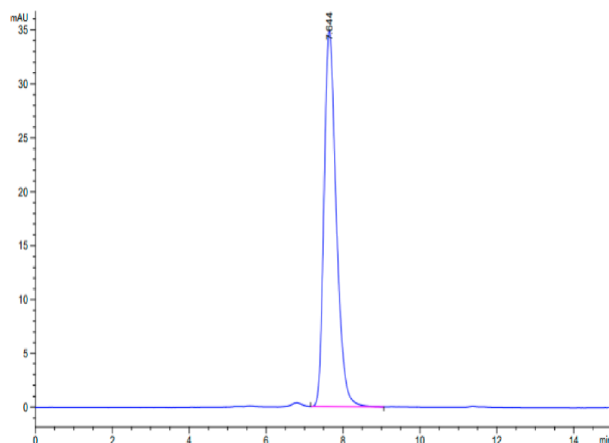
Assay Data

Bis-Tris PAGE



Biotinylated Human CD117 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Human CD117 is greater than 95% as determined by SEC-HPLC.

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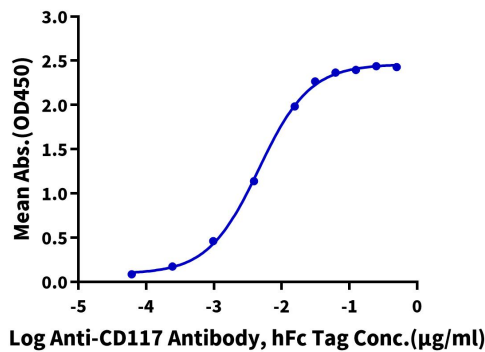


Assay Data

ELISA Data

Biotinylated Human CD117, His-Avi Tag ELISA

0.1µg Biotinylated Human CD117, His-Avi Tag Per Well

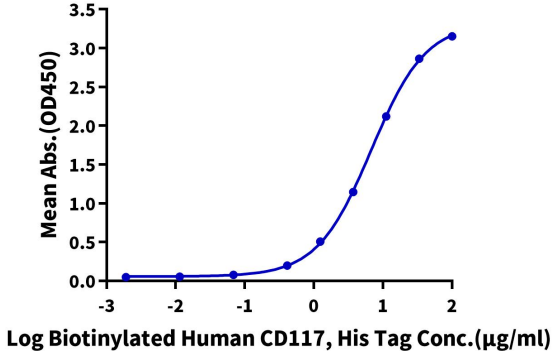


Immobilized Biotinylated Human CD117, His-Avi Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-CD117 Antibody, hFc Tag with the EC50 of 4.6ng/ml determined by ELISA (QC Test).

ELISA Data

Biotinylated Human 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 Biotinylated Human CD117, His Tag with the EC50 of 6.8µg/ml determined by ELISA.