

Rev04
 Update: Jan,22,2026

DATASHEET

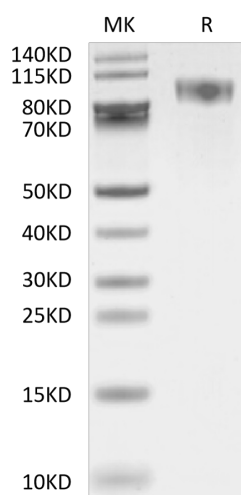
CD117, His, Cynomolgus/Rhesus macaque

Cat. No.: Z04140

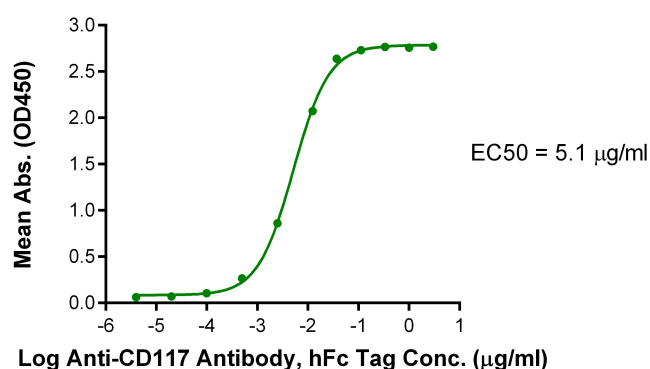
Product Introduction

Species	Cynomolgus/Rhesus macaque
Protein Construction	CD117 (Gln26-Pro520) Accession # XP_005555332.1(Cynomolgus) / AFE78183.1(Rhesus macaque) His N-term C-term
Purity	> 95% as determined by BisTris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	56.69 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 90-110 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
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 & Stability	Upon receiving, the product remains stable for 6 months at -20°C or below. Upon reconstitution, the product should be stable for 3 months at -80°C. Avoid repeated freeze-thaw cycles.

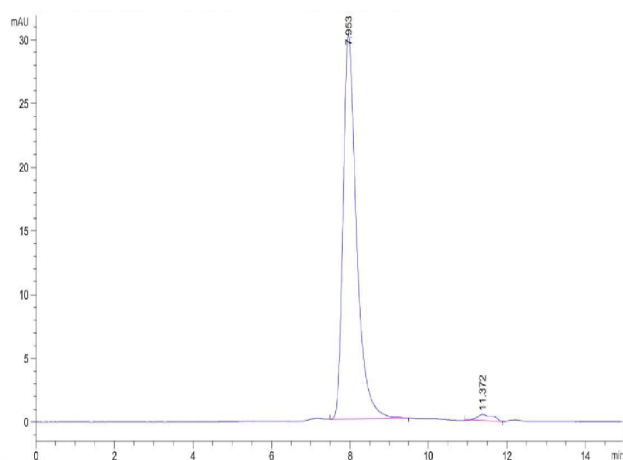
Examples



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



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



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

Background

Target 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.

Synonyms : SCFR; PBT; CD117; ckit; c-kit; KIT

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