

Rev04
 Update: Jan,22,2026

DATASHEET

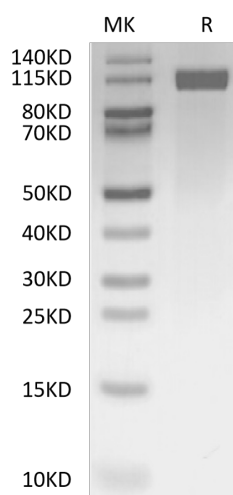
CD117 hFc Chimera, Human

Cat. No.: Z04152

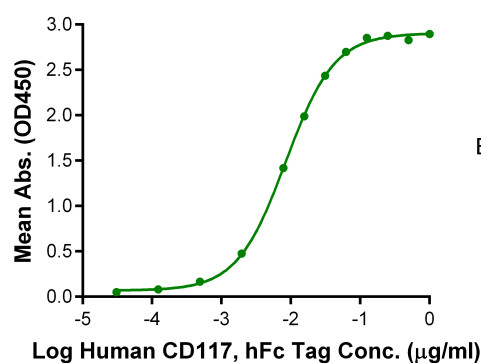
Product Introduction

Species	Human
Protein Construction	CD117 (Gln26-Pro520) Accession # P10721-2 hFc N-term C-term
Purity	> 95% as determined by Bis-Tris 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	82.46 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 100-130 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in 20mM 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 hFc Chimera, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



EC₅₀ = 8.4 μg/ml

Immobilized Human SCF, No Tag at 2 μg/ml (100 μl/well) on the plate. Dose response curve for CD117 hFc Chimera, Human, hFc Tag with the EC₅₀ of 8.4ng/ml determined by ELISA.

Background

Target 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.

Synonyms : SCFR; PBT; CD117; ckit; c-kit; EC 2.7.10; EC 2.7.10.1; KIT

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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