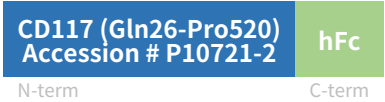


Rev02
Update: Aug,08,2025**DATASHEET**

CD117 hFc Chimera, Human

Cat. No.: Z04152

Product Introduction

Species	Human
Protein Construction	 CD117 (Gln26-Pro520) Accession # P10721-2 N-term hFc 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. Immobilized Human SCF at 2µg/ml (100µl/well) on the plate can bind CD117 hFc Chimera, Human. 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 up to 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.

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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