

Rev04
 Update: Jan,22,2026

DATASHEET

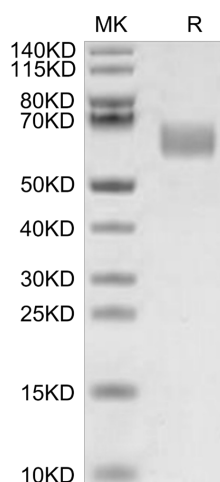
CD47 hFc Chimera, Mouse

Cat. No.: Z04322

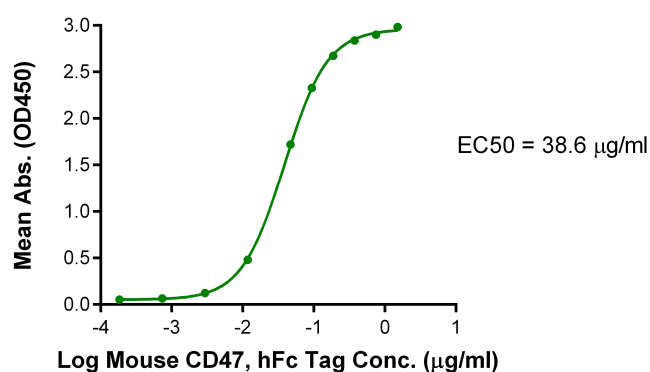
Product Introduction

Species	Mouse
Protein Construction	CD47 (Gln19-Lys140) Accession # Q61735-1 hFc N-termC-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	40.60 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 60-70 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.

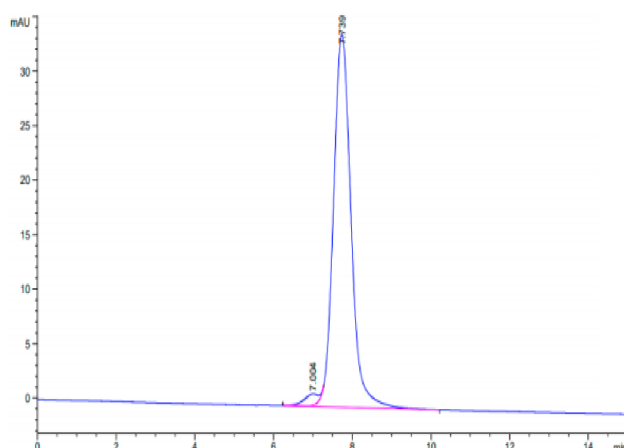
Examples



CD47 hFc Chimera, Mouse on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized Mouse SIRP alpha, His Tag at 2 μg/ml (100 μl/well) on the plate. Dose response curve for CD47 hFc Chimera, Mouse, hFc Tag with the EC50 of 38.6ng/ml determined by ELISA.



The purity of CD47 hFc Chimera, Mouse is greater than 95% as determined by SEC-HPLC.

Background

Target Background : CD47 (Cluster of Differentiation 47) also known as integrin associated protein (IAP) is a transmembrane protein that in humans is encoded by the CD47 gene. CD47 belongs to the immunoglobulin superfamily and partners with membrane integrins and also binds the ligands thrombospondin-1 (TSP-1) and signal-regulatory protein alpha (SIRPα). CD-47 acts as a don't eat me signal to macrophages of the immune system which has made it a potential therapeutic target in some cancers.

Synonyms : CD47 glycoprotein; CD47 molecule; CD47; IAP; OA3; MER6

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

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