

Rev02
Update: Aug,08,2025

DATASHEET

CD55, His, Cynomolgus

Cat. No.: Z04124

Product Introduction

Species	Cynomolgus
Protein Construction	CD55 (Asp36-Ser350) Accession # A0A2K5X1Z6 His N-termC-term
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CD55, His, Cynomolgus at 2µg/ml (100µl/well) on the plate can bind Anti-CD55 Antibody, hFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	35.5 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 55-70 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 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 : Decay Accelerating Factor (or CD55) is a major regulator of the alternative and classical pathways of complement activation and is expressed on all serum-exposed cells. It is commonly hijacked by invading pathogens, including many enteroviruses and uropathogenic Escherichia coli, to promote cellular attachment prior to infection.

Synonyms : DAF-GPI; CD55; Cd55a; Daf; Daf1; DAF; CR; CROM; TC

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