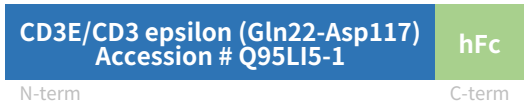
Rev04
Update: Aug,20,2025

DATASHEET

CD3E/CD3 epsilon hFc Chimera, Cynomolgus

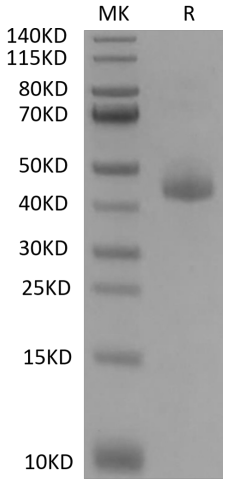
Cat. No.: Z04011

Product Introduction

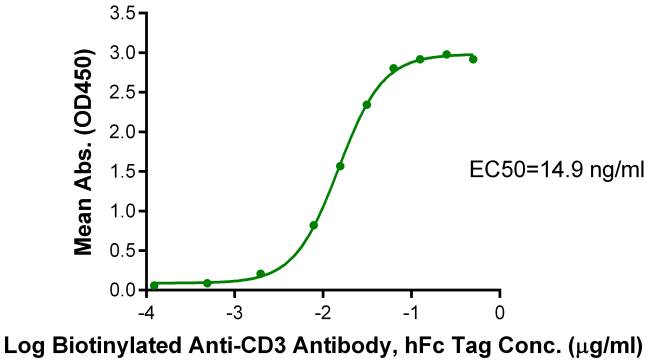
Species	Cynomolgus
Protein Construction	
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1EU per μg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA.Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	36.9 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 43-48 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from a 0.22 μm 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

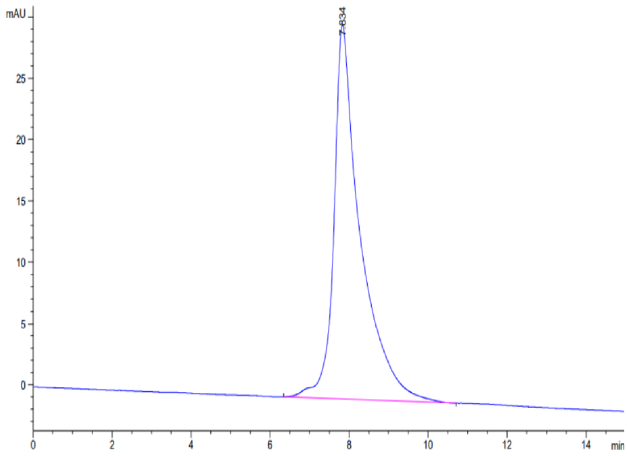
GenScript USA, Inc.
860 Centennial Ave. Piscataway, NJ 08854
Tel: 1-732-885-9188



CD3E/CD3 epsilon hFc Chimera, Cynomolgus on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized CD3E/CD3 epsilon hFc Chimera, Cynomolgus, hFc Tag at 2 μg/ml (100 μL/well) on the plate. Dose response curve for Biotinylated Anti-CD3 Antibody, hFc Tag with the EC50 of 14.9 ng/ml determined by ELISA.



The purity of CD3E/CD3 epsilon hFc Chimera, Cynomolgus is greater than 95% as determined by SEC-HPLC.

Background

Target Background : CD3E, is a single-pass type I membrane protein.CD3 (cluster of differentiation 3) T cell co-receptor helps to activate both the cytotoxic T cell (CD8 naive T cells) and also T helper cells (CD4 naive T cells). It consists of a protein complex and is composed of four distinct chains. In mammals, the complex contains a CD3γ chain, a CD3δ chain, and two CD3ε chains.

Synonyms : CD3e; CD3E; T3E; FLJ18683; TCRE; CD3-epsilon; IMD18

GenScript USA, Inc.
860 Centennial Ave. Piscataway, NJ 08854
Tel: 1-732-885-9188

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

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China