

Rev05
 Update: Aug,11,2025

DATASHEET

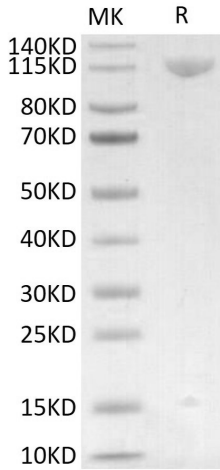
Her3/ErbB3 hFc Chimera, Human

Cat. No.: Z03906

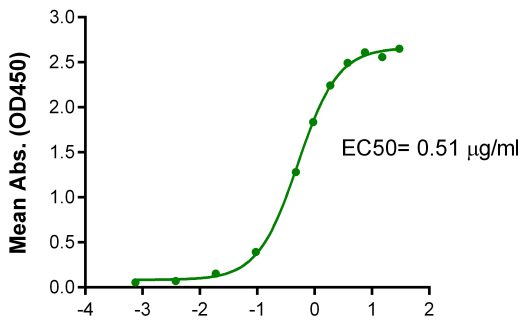
Product Introduction

Species	Human
Protein Construction	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> Her3/ErbB3 (Ser20-Thr643) Accession # P21860 </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;"> hFc </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Immobilized Her3/ErbB3 hFc Chimera, Human (Cat.No.: Z03906) at 5 µg/ml (100µl/Well) on the plate can bind Biotinylated Human NRG1 Beta 1, hFc Tag
Expression System	HEK293
Theoretical Molecular Weight	95.4 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 110-120 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from a 0.22 µm filtered solution in PBS, pH 7.4.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH ₂ O more than 100 µg/ml.
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.

Examples

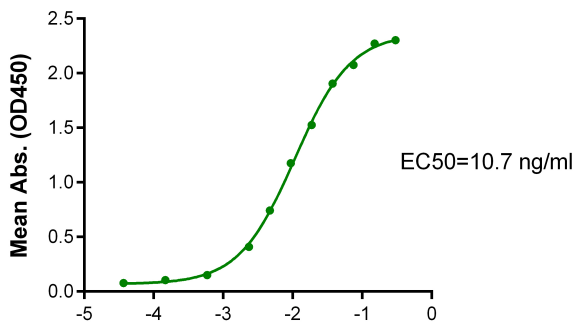


Her3/ErbB3 hFc Chimera, Human on Bis-Tris PAGE under reduced conditions. The purity is greater than 95%.



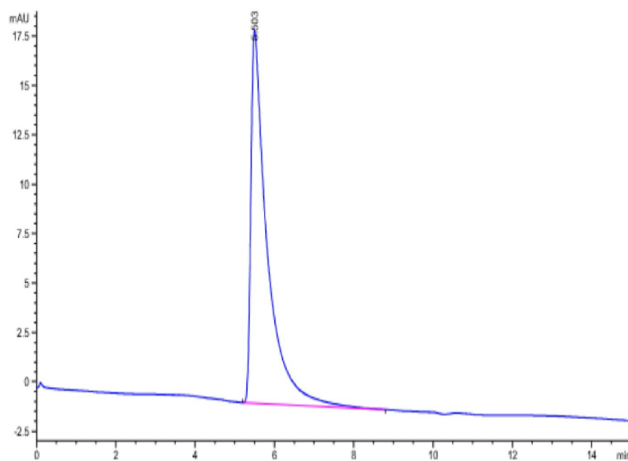
Log Biotinylated Human NRG1 Beta 1, hFc Tag Conc. (µg/ml)

Immobilized Her3/ErbB3 hFc Chimera, Human at 5 µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylated Human NRG1 Beta 1, hFc Tag with the EC50 of 0.51 µg/ml determined by ELISA.



Log Biotinylated Anti-HER3 Antibody, hFc Tag Conc. (µg/ml)

Immobilized Her3/ErbB3 hFc Chimera, Human, hFc Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylated Anti-HER3 Antibody, hFc Tag with the EC50 of 10.7 ng/ml determined by ELISA.



The purity of Her3/ErbB3 hFc Chimera, Human is greater than 95% as determined by SEC-HPLC.

Background

Target Background : Her3, also called ErbB3, is a type I membrane glycoprotein that is a member of the ErbB family of tyrosine kinase receptors. Her3 is expressed in keratinocytes, melanocytes, skeletal muscle cells, embryonic myoblasts and Schwann cells. Monomeric Her3 serves as a low affinity receptor for the heregulins (HRG).

Synonyms : ErbB3; ErbB-3; HER3; HER3c-erbB-3; LCCS2; MDA-BF-1; MGC88033; p180-ErbB3; p45-sErbB3; p85-sErbB3; ERBB3

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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