

Rev05
 Update: Aug,11,2025

DATASHEET

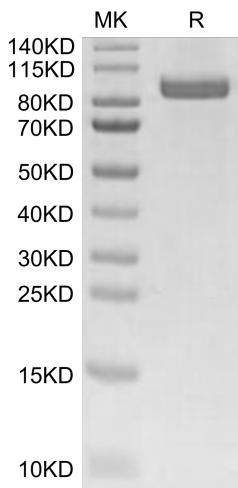
Her3, His,Cynomolgus/Rhesus macaque

Cat. No.: Z03909

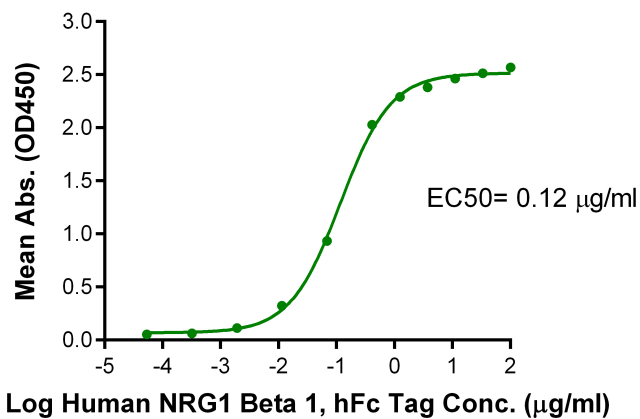
Product Introduction

Species	Cynomolgus/Rhesus macaque
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> Her3 (Ser20-His641) Accession # XP_005571238.1/G7N7B1 </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center; margin-left: 10px;"> His </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px; font-size: small;"> 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, His,Cynomolgus/Rhesus macaque (Cat.No.: Z03909) at 1 µg/ml (100µl/Well) on the plate can bind Human NRG1 Beta 1, hFc Tag
Expression System	HEK293
Theoretical Molecular Weight	69.54 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 85-105 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.

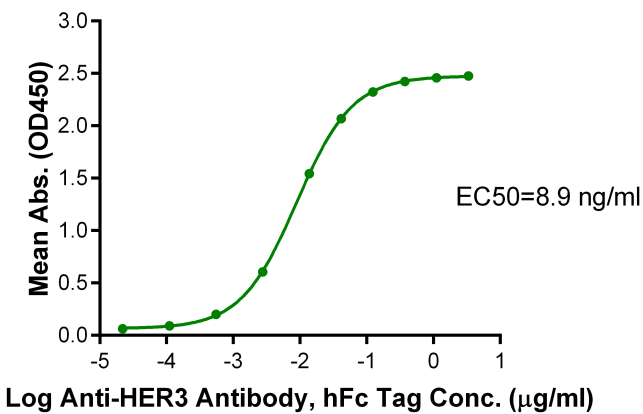
Examples



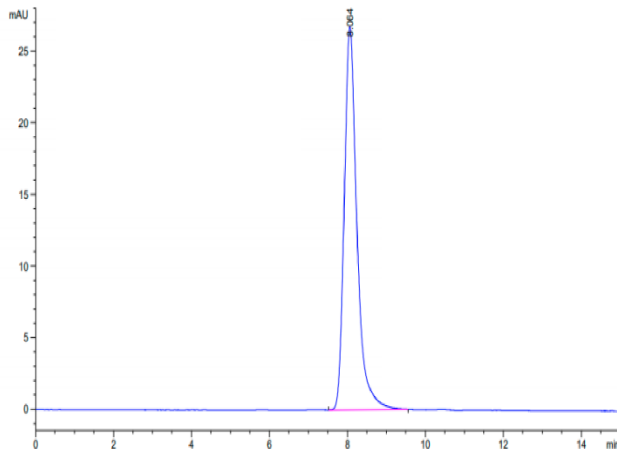
Her3, His, Cynomolgus/Rhesus macaque on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized Her3, His, Cynomolgus/Rhesus macaque at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Human NRG1 Beta 1, hFc Tag with the EC50 of 0.12 µg/ml determined by ELISA.



Immobilized Her3, His, Cynomolgus/Rhesus macaque, His Tag at 0.5 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-HER3 Antibody, hFc Tag with the EC50 of 8.9 ng/ml determined by ELISA.



The purity of Her3, His, Cynomolgus/Rhesus macaque 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. 28 Yongxi Road, Jiangning District, Nanjing, Jiangsu, China