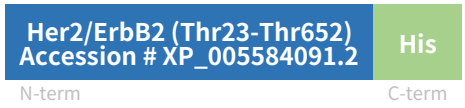
Rev04
Update: Aug,08,2025

DATASHEET

Her2/ErbB2, His, Cynomolgus

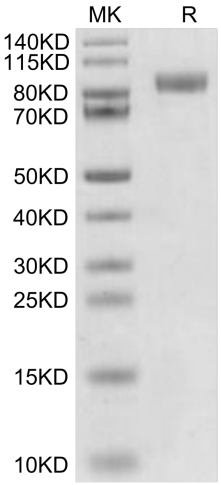
Cat. No.: Z03903

Product Introduction

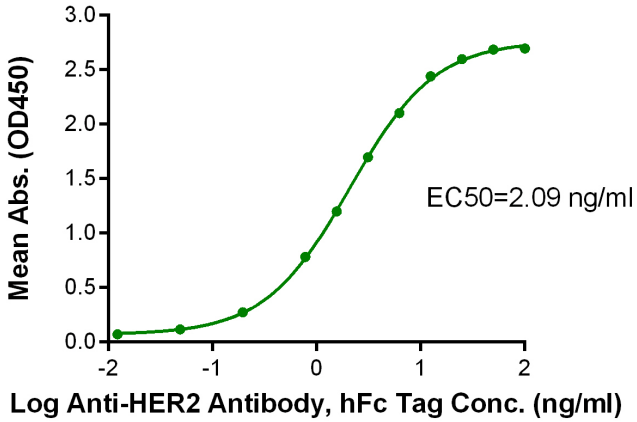
Species	Cynomolgus
Protein Construction	
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per μg by the LAL method.
Biological Activity	Immobilized Her2/ErbB2, His, Cynomolgus (Cat.No.: Z03903) at 0.5 μg/ml (100μl/Well) on the plate can bind Anti-Her2 Antibody, hFc Tag
Expression System	HEK293
Theoretical Molecular Weight	70.4 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_2O 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

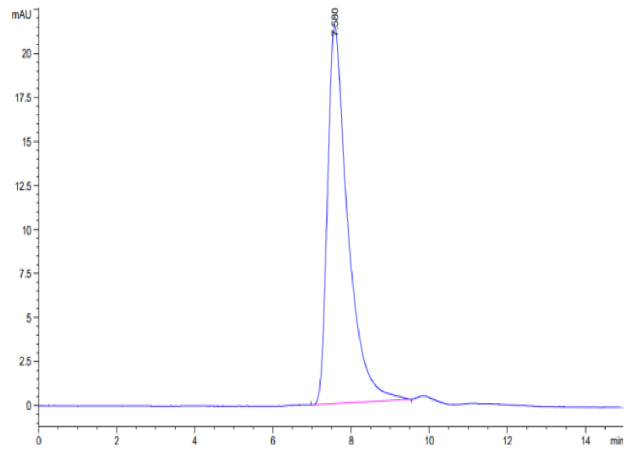
GenScript USA, Inc.
860 Centennial Ave. Piscataway, NJ 08854
Tel: 1-732-885-9188



Her2/ErbB2, His, Cynomolgus on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized Her2/ErbB2, His, Cynomolgus at 0.5 μg/ml (100 μl/well) on the plate. Dose response curve for Anti-HER2 Antibody, hFc Tag with the EC50 of 2.09 ng/ml determined by ELISA.



The purity of Her2/ErbB2, His, Cynomolgus is greater than 95% as determined by SEC-HPLC.

Background

Target Background : ErbB2, also called Neu and Her2 (human epidermal growth factor receptor 2), is a type I membrane glycoprotein that is a member of the ErbB family of tyrosine kinase receptors. ErbB family members serve as receptors for the epidermal growth factor (EGF) family of growth factors.Upon ERBB2 activation, the MEMO1-RHOA-DIAPH1 signaling pathway elicits the phosphorylation and thus the inhibition of GSK3B at cell membrane.

Synonyms : CD340; EGFR2; ErbB2; HER2; HER-2; herstatin; MLN 19; MLN19; NGL; TKR1; ERBB2; NEU; ENV; ENVW; ERVWE1; HERV7Q; HERVW

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