

Biotinylated Human Her3/ErbB3 Protein

Cat. No. HER-HM403B

Description

Source	Recombinant Biotinylated Human Her3/ErbB3 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Ser20-Thr643.
Accession	P21860-1
Molecular Weight	The protein has a predicted MW of 71.6 kDa. Due to glycosylation, the protein migrates to 90-100 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

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). Mutation leads to a deletion of exons 2-7 of the EGFR gene and renders the mutant receptor incapable of binding any known ligand.

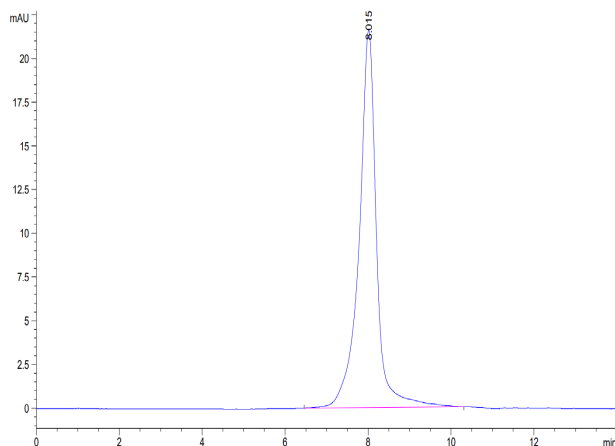
Assay Data

Tris-Bis PAGE



Biotinylated Human Her3/ErbB3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



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

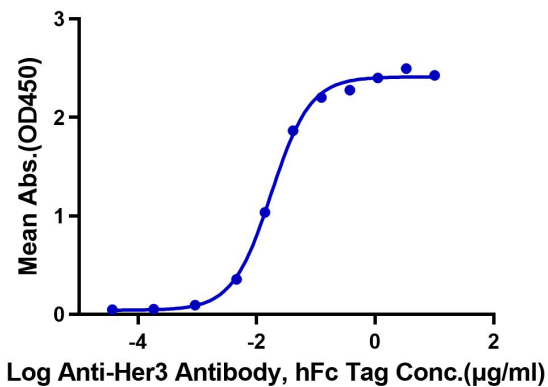
ELISA Data

For Research Use Only

Assay Data

Biotinylated Human Her3, His Tag ELISA

0.05µg Biotinylated Human Her3, His Tag Per Well



Immobilized Biotinylated Human Her3 at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-Her3 Antibody, hFc Tag with the EC50 17.6ng/ml determined by ELISA.