Human Her2/ErbB2 (S310F) Protein, Ultra Low Endotoxin

Cat. No. HER-HM112-UL

Description

Source	Recombinant Human Her2/ErbB2 (S310F) Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Thr23-Thr652 (S310F).
Accession	P04626-1
Molecular Weight	The protein has a predicted MW of 70.50 kDa. Due to glycosylation, the protein migrates to 80-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

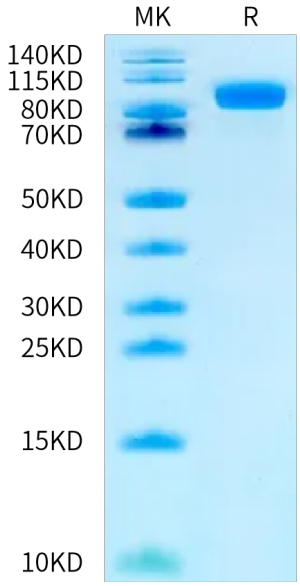
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

Assay Data

Bis-Tris PAGE



Human Her2 (S310F) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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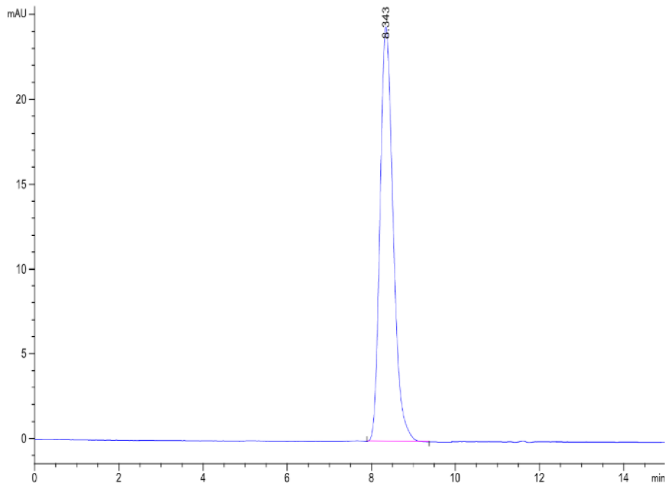
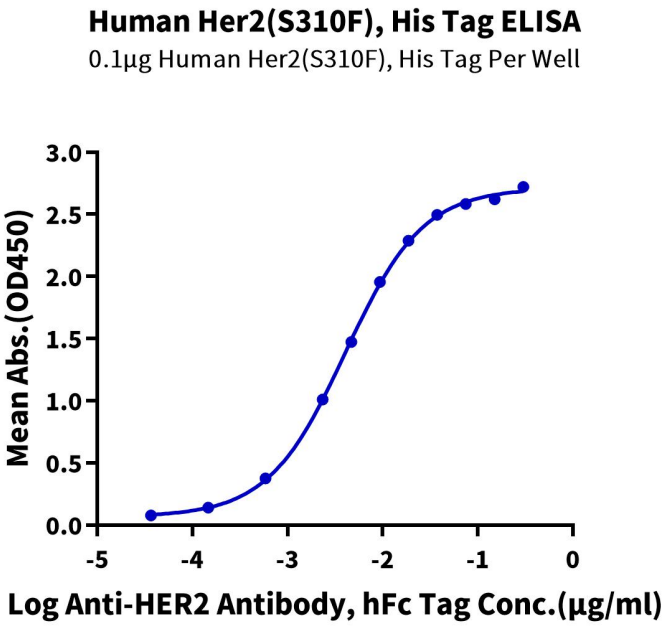
Assay Data



The purity of Human Her2 (S310F) is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human Her2 (S310F), His Tag at 1μg/ml (100 μl/well) on the plate. Dose response curve for Anti-HER2 Antibody, hFc Tag with the EC50 of 4.1ng/ml determined by ELISA.