Mouse Her2/ErbB2 Protein

Cat. No. HER-MM102

Description

Source	Recombinant Mouse Her2/ErbB2 Protein is expressed from HEK293 with His tag at the N-terminus.
	It contains Thr23-Thr653.
Accession	P70424
Molecular Weight	The protein has a predicted MW of 70.74 kDa. Due to glycosylation, the protein migrates to 80-100 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

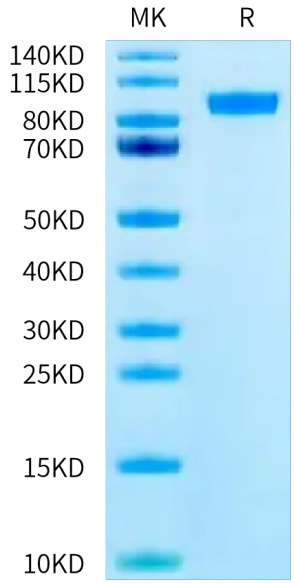
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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. This prevents the phosphorylation of APC and CLASP2, allowing its association with the cell membrane.

Assay Data

Bis-Tris PAGE



Mouse Her2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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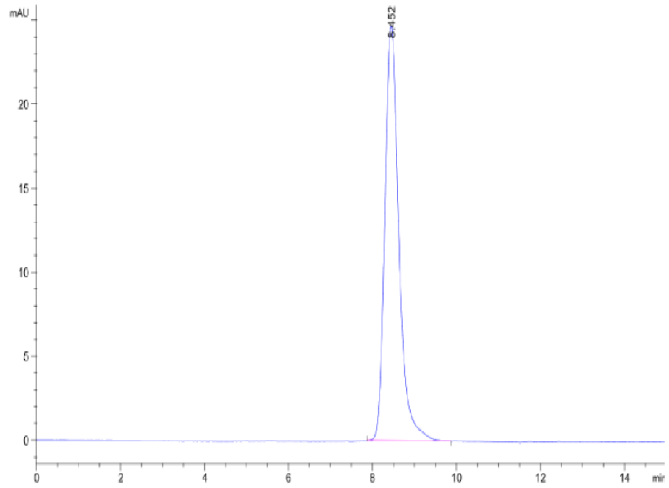
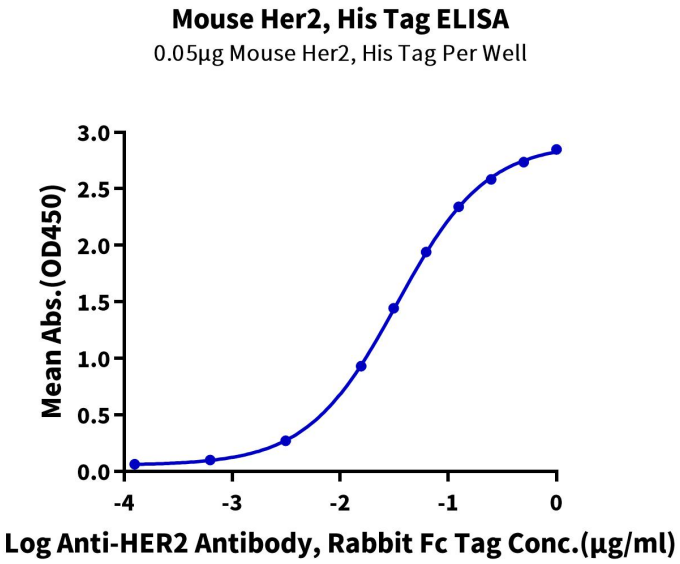
Assay Data



The purity of Mouse Her2 is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Mouse Her2, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-HER2 Antibody, Rabbit Fc Tag with the EC50 of 33.3ng/ml determined by ELISA.