

Human Her2/ErbB2 Domain 4 Protein



Cat. No. HER-HM404

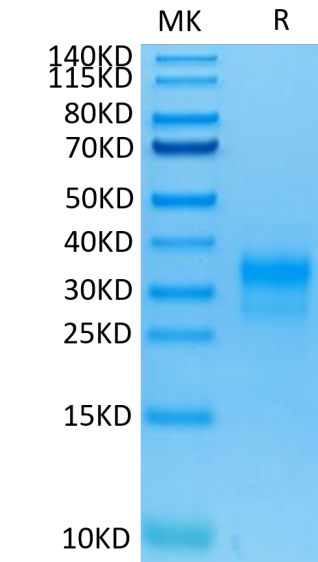
| Description      |  |
|------------------|--|
| Source           | Recombinant Human Her2/ErbB2 Domain 4 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.<br>It contains Pro489-Cys630. |
| Accession        | P04626-1   |
| Molecular Weight | The protein has a predicted MW of 18.5 kDa. Due to glycosylation, the protein migrates to 28-40 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<br>> 95% as determined by HPLC  |

| Formulation and Storage |   |
|-------------------------|---|
| Formulation             | Lyophilized from 0.22µm 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



Human Her2 Domain 4 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

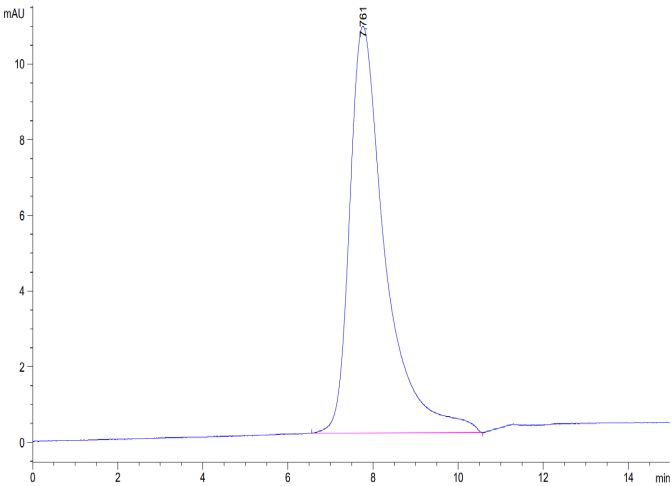
SEC-HPLC

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Assay Data

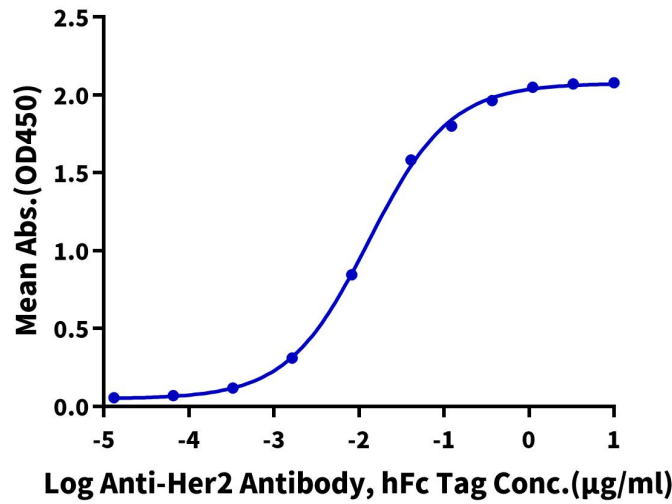


The purity of Human Her2 Domain 4 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human Her2 Domain 4, His Tag ELISA

0.1µg Human Her2 Domain 4, His Tag Per Well



Immobilized Human Her2 Domain 4, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-Her2 Antibody, hFc Tag with the EC50 of 13.1ng/ml determined by ELISA.