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37-1001: Human HER2 / ErbB2 Recombinant Protein (Fc Tag)(Discontinued)

Reactivity :	Human
Alternative Name :	CD340 Protein, ENV Protein, ENVW Protein, ERVWE1 Protein, HER-2 Protein, HER-2/neu Protein, HER2 Protein, HERV-7q Protein, HERV-W-ENV Protein, HERV7Q Protein, HERVW Protein, HERVWENV Protein, MLN 19 Protein, MLN19 Protein, NEU Protein, NGL Protein, TKR1 Protein,

Description

Source : HEK293 Cells
Epidermal growth factor receptor 2 (HER2), also known as ErbB2, NEU, and CD34, is a type I membrane glycoprotein, and belongs to the epidermal growth factor (EGF) receptor family. HER2 protein cannot bind growth factors due to the lacking of ligand binding domain of its own and autoinhibited constitutively. However, HER2 forms a heterodimer with other ligand-bound EGF receptor family members, therefore stabilizes ligand binding and enhances kinase-mediated activation of downstream molecules. HER2 plays a key role in development, cell proliferation and differentiation. HER2 gene has been reported to associate with malignancy and a poor prognosis in numerous carcinomas, including breast, prostate, ovarian, lung cancers and so on. Cancer Immunotherapy Immune Checkpoint Immunotherapy Targeted Therapy

Product Info

Amount :	Human HER2 / ErbB2 Recombinant Protein (Fc Tag)(Discontinued) / 100 µg
Purification :	> 90 % as determined by SDS-PAGE
Content :	Formulation Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Storage condition :	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Amino Acid :	Met1-Thr652

Application Note

Measured by its binding ability in a functional ELISA. Immobilized human ErbB2 at 2.5 µg/ml can bind Herceptin with a linear range of 3.2-80 ng/ml
Endotoxin :< 1.0 EU per µg of the protein as determined by the LAL method

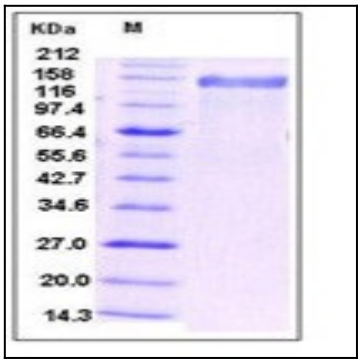

Fig 1: Human HER2 / ErbB2 Recombinant Protein (Fc Tag)

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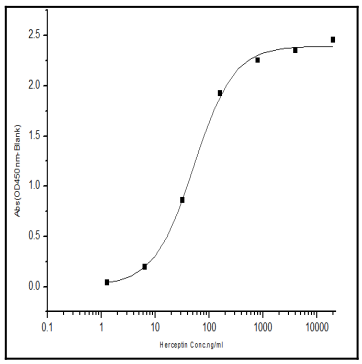

Fig 2: Human HER2 / ErbB2 Recombinant Protein (Fc Tag) Measured by its binding ability in a functional ELISA.

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