

Active Recombinant Cynomolgus ERBB2 protein, His-Avi-tagged, Biotinylated

Cat. No. ERBB2-1236C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus ERBB2 Protein (23-652aa), was expressed in HEK293 with C-terminal His tag, Avi tag and biotinylated conjugate.
Species	Cynomolgus
Source	HEK293
ProteinLength	23-652 aa
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Trastuzumab at 3 µg/mL (100 µL/well) can bind Biotinylated Cynomolgus Her2, His,Avitag with a linear range of 0.3-20 ng/mL. Immobilized Bispecific Antibody (Her2 x Her3) at 1 µg/mL (100 µL/well) can bind Biotinylated Cynomolgus Her2, His,Avitag with a linear range of 0.2-8 ng/mL. Immobilized Pertuzumab Biosimilar at 1 µg/mL (100 µL/well) can bind Biotinylated Cynomolgus Her2, His,Avitag with a linear range of 0.2-8 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™). The protein has a calculated MW of 72.9 kDa. The protein migrates as 90-105 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please protect from light and avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

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