Active Recombinant Mouse Erbb4 Protein, His-tagged, Alexa Fluor 647 conjugated

Cat. No. Erbb4-7416MAF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 647 conjugated recombinant Mouse Erbb4 protein (Q61527) (Met1-Leu652) is produced by HEK293 Cells expression system. This protein is fused with a His tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Leu652 638
Form	Lyophilized
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized mouse ERBB4-His at 10 μg/mL (100 μL/well) can bind biotinylated human NRG1, The EC50 of biotinylated human NRG1 is 0.55-1.29 μg/mL.
Molecular Mass	The recombinant mouse ERBB4 comprises 638 amino acids and has a predicted molecular mass of 71.5 kDa. The apparent molecular mass of the protein is approximately 113 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU/ μg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

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Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/mL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Shipping	Shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.
Conjugation	Alexa Fluor 647

GENE INFORMATION

Gene Name	Erbb4 v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian) [Mus musculus]
Official Symbol	Erbb4
Synonyms	ERBB4; v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian); Her4; c-erbB-4;

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Gene ID	13869
mRNA Refseq	NM_010154
Protein Refseq	NP_034284
UniProt ID	Q61527

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