Active Recombinant Mouse Epha3 Protein, Fc-tagged, Alexa Fluor 647 conjugated

Cat. No. Epha3-494MAF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the extracellular domain of mouse EPHA3 (NP_034270.1)(Met1-His541) (Alexa Fluor 647 conjugated) was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-His541 762
Form	Lyophilized
Bio-activity	Measured by its binding ability in a functional ELISA.Immobilized mouse EFNA5-His at 10 μg/mL (100 μL/well) can bind mouse EPHA3-Fc, The EC50 of rat mouse EPHA3-Fc is 12.3-28.9 ng/mL.
Molecular Mass	The recombinant mouse EPHA3/Fc comprises 762 amino acids and has a predicted molecular mass of 85.7 kDa. The apparent molecular mass of the protein is approximately 96 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU/ μg of the protein as determined by the LAL method.
Purity	> 90 % 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 -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from sterile PBS, pH7.4.
Conjugation	Alexa Fluor 647

GENE INFORMATION

Gene Name	Epha3 Eph receptor A3 [Mus musculus]
Official Symbol	Epha3
Synonyms	EPHA3; Eph receptor A3; ephrin type-A receptor 3; EK4; EPH-like kinase 4; tyrosine-protein kinase TYRO4; tyrosine-protein kinase receptor ETK1; Hek; Cek4; ETK1; End3; Hek4; Mek4; Tyro4; AW492086;
Gene ID	13837
mRNA Refseq	NM_010140
Protein Refseq	NP_034270

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