



Mouse Monoclonal Antibody to IGF1R-Beta

Catalogue Number	sAP-0111
Target Molecule	Name: IGF1R-Beta Aliases: IGF1R, IGF1R-Beta MW: 96kDa Entrez Gene ID: 3480
Description	IGF1R (insulin-like growth factor 1 receptor), a transmembrane receptor tyrosine kinase, is widely expressed in many cell types within fetal and postnatal tissues, and in many cell lines. Upon binding to its ligands, IGF-I and IGF-II, receptor autophosphorylation occurs. The triple tyrosine cluster within the kinase domain (Tyr1131, Tyr1135 and Tyr1136) is the earliest major site of autophosphorylation. Phosphorylation of these three tyrosine residues is necessary for kinase activation. Insulin receptors (IRs) share significant similarity with IGF1 receptors in both structure and function, including an equivalent triple tyrosine cluster within the activation loop of the kinase domain (Tyr1146, Tyr1150 and Tyr1151). Tyrosine autophosphorylation of insulin receptor is one of the earliest cellular responses to insulin stimulation. Autophosphorylation
Immunogen	Purified recombinant fragment of IGF1R-Beta expressed in E. Coli.
Recombinant Species	Human;
Clone	MM3C8B1;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storage	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Adams, T.E. et al. Cell. Mol. Life Sci. 2000 57, 1050-1093. ; 2. Baserga, R. et al. Oncogene 2000 19, 5574-5581. ; 3. Scheidegger, K.J. et al. J. Biol. Chem. 2000 275, 38921-38928. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**