ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

# Mouse Monoclonal Antibody to IGF1R-Beta

| | |
|---|---|
| **Cataloge Number** | sAP-0122 |
| **Target Molecule** | **Name: IGF1R-Beta**<br>**Aliases:** IGF1R<br>**MW: 96kDa**<br>**Entrez Gene ID: 3480** |
| **Descrption** | 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 (AA: 1101-1367) expressed in E. Coli. |
| **Recitative Species** | Human; |
| **Clone** | MM3G5C1; |
| **Size and Concentration** | 100µg/1mg/ml |
| **Supplied as** | Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide. |
| **Reconstitution/Storages** | Reconstitued with 100µl sterile DI H2O, 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. Zhu Z. Jiang W. Thompson HJ. Carcinogenesis. 2003, Jul, 24(7):1225-31. Epub 2003 May 9. ; 2. Ling Y. Maile LA. Clemmons DR. Mol Endocrinol. 2003, Sep,17(9):1824-33. Epub 2003 Jun 5. |

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

Angio-Proteomie | 11 Park Drive, Suite 12 Boston, MA 02215, USA | Tel: 001-617-549-2665 | Fax: 001-480-247-4337 | Email: angioproteomie@gmail.com