

## Mouse Monoclonal Antibody to BMPR1A

<b>Catalogue Number</b>	sAP-0939
<b>Target Molecule</b>	<p><b>Name: BMPR1A</b></p> <p><b>Aliases:</b> ALK3; SKR5; CD292; ACVRLK3; 10q23del</p> <p><b>MW: 60kDa</b></p> <p><b>Entrez Gene ID: 657</b></p>
<b>Description</b>	<p>The bone morphogenetic protein (BMP) receptors are a family of transmembrane serine/threonine kinases that include the type I receptors BMPR1A and BMPR1B and the type II receptor BMPR2. These receptors are also closely related to the activin receptors, ACVR1 and ACVR2. The ligands of these receptors are members of the TGF-beta superfamily. TGF-betas and activins transduce their signals through the formation of heteromeric complexes with 2 different types of serine (threonine) kinase receptors: type I receptors of about 50-55 kD and type II receptors of about 70-80 kD. Type II receptors bind ligands in the absence of type I receptors, but they require their respective type I receptors for signaling, whereas type I receptors require their respective type II receptors for ligand binding. ; ;</p>
<b>Immunogen</b>	Purified recombinant fragment of human BMPR1A (AA: 179-378 ) expressed in E. Coli.
<b>Recombinant Species</b>	Human;
<b>Clone</b>	MM4B7B2;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	<p>1.Acta Crystallogr Sect F Struct Biol Cryst Commun. 2011 May 1;67(Pt 5):551-5. ; 2.Gastroenterology. 2011 Jul;141(1):e23-6. ;</p>

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**