

## Mouse Monoclonal Antibody to LRP5

<b>Catalogue Number</b>	sAP-0686
<b>Target Molecule</b>	<p><b>Name:</b> LRP5</p> <p><b>Aliases:</b> HBM; LR3; OPS; EVR1; EVR4; LRP7; OPPG; BMND1; OPTA1; VBCH2</p> <p><b>MW:</b> 179kDa</p> <p><b>Entrez Gene ID:</b> 4041</p>
<b>Description</b>	<p>This gene encodes a transmembrane low-density lipoprotein receptor that binds and internalizes ligands in the process of receptor-mediated endocytosis. This protein also acts as a co-receptor with Frizzled protein family members for transducing signals by Wnt proteins and was originally cloned on the basis of its association with type 1 diabetes mellitus in humans. This protein plays a key role in skeletal homeostasis and many bone density related diseases are caused by mutations in this gene. Mutations in this gene also cause familial exudative vitreoretinopathy.</p>
<b>Immunogen</b>	Purified recombinant fragment of human LRP5 expressed in E. Coli. ;
<b>Recombinant Species</b>	Human
<b>Clone</b>	MM2B11;
<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 H <sub>2</sub> O, 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; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Bone. 2010 Apr;46(4):940-5. ; 2. Endocr J. 2009;56(4):625-31. ;

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**