

Mouse Bone Morphogenetic Protein Receptor 1B ELISA Kit | BMPR1B elisa kit

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CATALOG #
AAA97027

REACTIVITY
Mouse

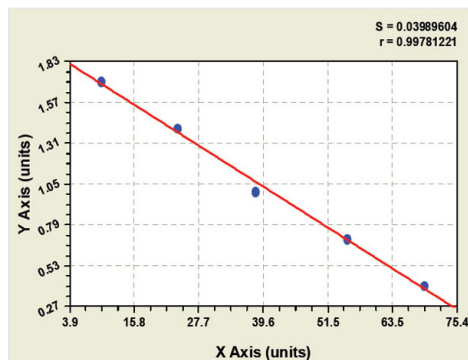
PRODUCT SYNONYMS

Bone Morphogenetic Protein Receptor 1B; Mouse Bone Morphogenetic Protein Receptor 1B ELISA Kit; BMPR1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMPR1B elisa kit

Intended Uses: This BMPR1B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse BMPR1B. This ELISA kit for research use only!

Principle of the Assay: BMPR1B ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BMPR1B antibody and an BMPR1B-HRP conjugate. The assay sample and buffer are incubated together with BMPR1B-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the BMPR1B concentration since BMPR1B from samples and BMPR1B-HRP conjugate compete for the anti-BMPR1B antibody binding site. Since the number of sites is limited, as more sites are occupied by BMPR1B from the sample, fewer sites are left to bind BMPR1B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BMPR1B concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	377823731
NCBI GeneID	658
NCBI Accession #	NP_001243723.1
NCBI GenBank Nucleotide #	NM_001256794.1
Molecular Weight	60,582 Da
NCBI Official Full Name	bone morphogenetic protein receptor type-1B isoform b
NCBI Official Synonym Full Names	bone morphogenetic protein receptor, type IB
NCBI Official Symbol	BMPR1B
NCBI Official Synonym Symbols	ALK6; ALK-6; CDw293
NCBI Protein Information	bone morphogenetic protein receptor type-1B; BMPR-1B; BMP type-1B receptor; activin receptor-like kinase 6; serine/threonine receptor kinase
UniProt Protein Name	Bone morphogenetic protein receptor type-1B
UniProt Gene Name	BMPR1B
UniProt Synonym Gene Names	BMP type-1B receptor; BMPR-1B
UniProt Entry Name	BMR1B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.