

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

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CATALOG #
AAA96737

REACTIVITY
Rat

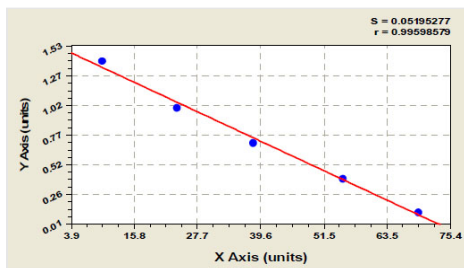
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1 ng/ml
Intended Uses	This BMPR1B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat BMPR1B. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMPR1B elisa kit

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.

Product Categories/Family for BMPR1B elisa kit

Cardiovascular

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.

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Online datasheet: <https://stage.aaabiotech.com/bmpr1b-rat-elisa-kits/bone-morphogenetic-protein-receptor-1b/96737>