

Monkey Bone Morphogenetic Protein Receptor II ELISA Kit | BMPR2 elisa kit

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CATALOG #
AAA95627

REACTIVITY
Monkey

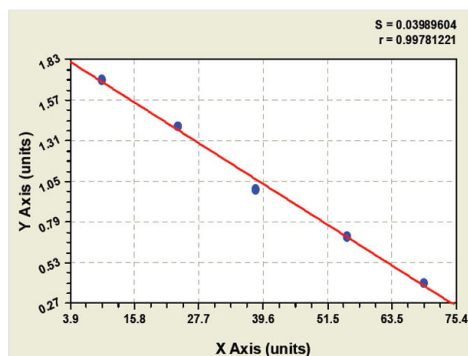
PRODUCT SYNONYMS

Bone Morphogenetic Protein Receptor II; Monkey Bone Morphogenetic Protein Receptor II ELISA Kit; BMPR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
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 BMPR2 elisa kit

Intended Uses: This BMPR2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey BMPR2. This ELISA kit for research use only!

Principle of the Assay: BMPR2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BMPR2 antibody and an BMPR2-HRP conjugate. The assay sample and buffer are incubated together with BMPR2-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 BMPR2 concentration since BMPR2 from samples and BMPR2-HRP conjugate compete for the anti-BMPR2 antibody binding site. Since the number of sites is limited, as more sites are occupied by BMPR2 from the sample, fewer sites are left to bind BMPR2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BMPR2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15451916
NCBI GeneID	659
NCBI Accession #	NP_001195.2
NCBI GenBank Nucleotide #	NM_001204.6
Molecular Weight	59,963 Da
NCBI Official Full Name	bone morphogenetic protein receptor type-2
NCBI Official Synonym Full Names	bone morphogenetic protein receptor, type II (serine/threonine kinase)
NCBI Official Symbol	BMPR2
NCBI Official Synonym Symbols	BMR2; PPH1; BMPR3; BRK-3; POVD1; T-ALK; BMPR-II
NCBI Protein Information	bone morphogenetic protein receptor type-2; BMPR-2; BMP type-2 receptor; BMP type II receptor; type II activin receptor-like kinase; bone morphogenetic protein receptor type II; type II receptor for bone morphogenetic protein-4
UniProt Protein Name	Bone morphogenetic protein receptor type-2
UniProt Gene Name	BMPR2
UniProt Synonym Gene Names	PPH1; BMP type-2 receptor; BMPR-2; BMP type II receptor; BMPR-II
UniProt Entry Name	BMPR2_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/bmpr2-monkey-elisa-kits/bone-morphogenetic-protein-receptor-ii/95627>