

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

Human Bone Morphogenetic Protein Receptor II ELISA Kit

CATALOG #
AAA87279

REACTIVITY
Human

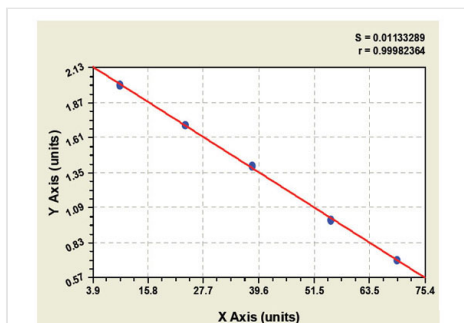
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This BMPRII ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human BMPRII. 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 BMPR2 elisa kit

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

Product Categories/Family for BMPR2 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	147901570
NCBI GeneID	397981
NCBI Accession #	NP_001081659.1
NCBI GenBank Nucleotide #	NM_001088190.1
NCBI Official Full Name	bone morphogenetic protein receptor, type 2 (serine/threonine kinase)
NCBI Official Synonym Full Names	bone morphogenetic protein receptor, type 2 (serine/threonine kinase)<
NCBI Official Symbol	bmpr2
NCBI Official Synonym Symbols	bmr2; pph1; bmp3; brk-3; t-alk; bmprii; bmprii; xbmpr-ii
NCBI Protein Information	bone morphogenetic protein receptor, type 2 (serine/threonine kinase); bone morphogenetic protein receptor, type 2 (serine/threonine kinase); BMP type II receptor

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-human-elisa-kits/bone-morphogenetic-protein-receptor-ii/87279>