

Rat Bone Morphogenetic Protein Receptor II ELISA Kit | BMPR-II elisa kit

Rat Bone Morphogenetic Protein Receptor II ELISA Kit

CATALOG #
AAA98421

REACTIVITY
Rat

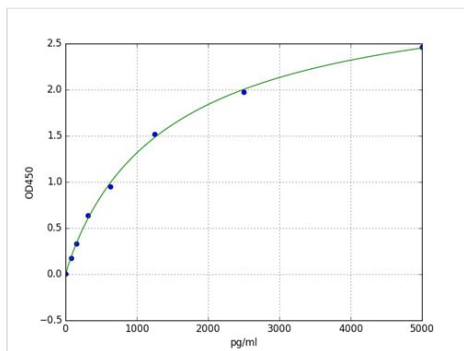
PRODUCT SYNONYMS

Bone Morphogenetic Protein Receptor II; Rat Bone Morphogenetic Protein Receptor II ELISA Kit; BMPR-II; BMPR-II elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	1038
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat BMPR-II ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	78	156	312.5	625	1250	2500	5000
Y	OD450	0.040	0.373	0.559	1.007	1.281	2.032	1.902	2.728

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMPR-II elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Rat BMPR-II antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat BMPR-II antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat BMPR-II amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat BMPR-II can be calculated.

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
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
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/bmpr-ii-rat-elisa-kits/bone-morphogenetic-protein-receptor-ii/98421>