

Rat Bone Morphogenetic Protein Receptor 1A (BMPR1A) ELISA Kit | BMPR1A elisa kit

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CATALOG #
AAA136690

REACTIVITY
Rat

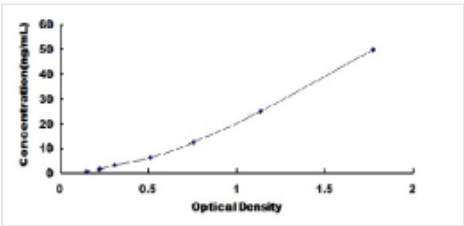
PRODUCT SYNONYMS

Bone Morphogenetic Protein Receptor 1A (BMPR1A); Rat Bone Morphogenetic Protein Receptor 1A (BMPR1A) ELISA Kit; CD292; ACVRLK3; ALK3; SKR5; BMPR1-A; Activin A Receptor; Type II-Like Kinase 3; Activin Receptor-Like Kinase 3; Serine/Threonine-Protein Kinase Receptor R5; BMPR1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Bone Morphogenetic Protein Receptor 1A (BMPR1A). No significant cross-reactivity or interference between Bone Morphogenetic Protein Receptor 1A (BMPR1A) and analogues was observed.
Sequence Length	527
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	0.24ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Bone Morphogenetic Protein Receptor 1A (BMPR1A) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Bone Morphogenetic Protein Receptor 1A (BMPR1A) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMPR1A elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Bone Morphogenetic Protein Receptor 1A (BMPR1A). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Bone Morphogenetic Protein Receptor 1A (BMPR1A). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Bone Morphogenetic Protein Receptor 1A (BMPR1A), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Bone Morphogenetic Protein Receptor 1A (BMPR1A) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for BMPR1A elisa kit	Signal transduction; CD & Adhesion molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	225637467
NCBI GeneID	58145
NCBI Accession #	NP_571696.2
NCBI GenBank Nucleotide #	NM_131621.3
NCBI Official Full Name	bone morphogenetic protein receptor type-1A
NCBI Official Synonym Full Names	bone morphogenetic protein receptor, type IAa
NCBI Official Symbol	bmpr1aa
NCBI Official Synonym Symbols	BR1a; alk3; alk3tr; bmp1a; BMPR-IA; zgc:136731
NCBI Protein Information	bone morphogenetic protein receptor type-1A

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/rat-elisa-kits/bone-morphogenetic-protein-receptor-1a-bmpr1a/136690>