

Human Bone Morphogenetic Protein Receptor 1B (BMPR1B) ELISA Kit | BMPR1B elisa kit

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CATALOG #
AAA65619

REACTIVITY
Human

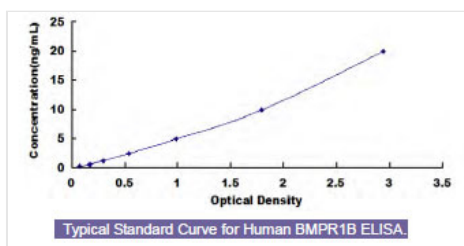
PRODUCT SYNONYMS

Bone Morphogenetic Protein Receptor 1B (BMPR1B); Human Bone Morphogenetic Protein Receptor 1B (BMPR1B) ELISA Kit; BMPR1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of BMPR1B. No significant cross-reactivity or interference between BMPR1B and analogues was observed.
Sequence Length	532
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.134ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BMPR1B were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level BMPR1B were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMPR1B elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of BMPR1B in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to BMPR1B. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to BMPR1B. 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 BMPR1B, 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 BMPR1B in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502431
NCBI GeneID	658
NCBI Accession #	NP_001194.1
NCBI GenBank Nucleotide #	NM_001203.2
UniProt Accession #	O00238; P78366; B2R953; B4DSV1
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 1B
NCBI Official Symbol	BMPR1B
NCBI Official Synonym Symbols	ALK6; AMDD; BDA2; ALK-6; BDA1D; CDw293
NCBI Protein Information	bone morphogenetic protein receptor type-1B
UniProt Protein Name	Bone morphogenetic protein receptor type-1B
UniProt Gene Name	BMPR1B
UniProt Synonym Gene Names	BMP type-1B receptor; BMPR-1B

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/human-elisa-kits/bone-morphogenetic-protein-receptor-1b-bmpr1b/65619>