

Human Bone Morphogenetic Protein Receptor 1A ELISA Kit | BMPR1A elisa kit

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CATALOG #
AAA86790

REACTIVITY
Human

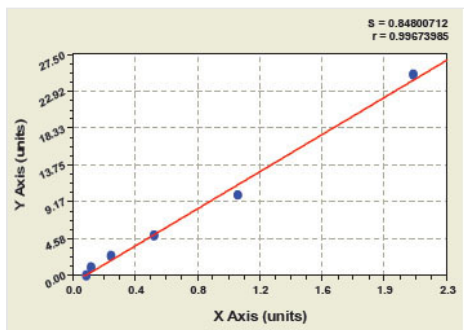
PRODUCT SYNONYMS

Bone Morphogenetic Protein Receptor 1A; Human Bone Morphogenetic Protein Receptor 1A ELISA Kit; BMPR1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This BMPR1A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human BMPR1A. 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 BMPR1A elisa kit

Principle of the Assay: BMPR1A ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for BMPR1A. Standards or samples are then added to the microtiter plate wells and BMPR1A if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of BMPR1A present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for BMPR1A are added to each well to "sandwich" the BMPR1A immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain BMPR1A and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BMPR1A concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41349437
NCBI GeneID	657
NCBI Accession #	NP_004320.2
NCBI GenBank Nucleotide #	NM_004329.2
Molecular Weight	60,198 Da
NCBI Official Full Name	bone morphogenetic protein receptor type-1A
NCBI Official Synonym Full Names	bone morphogenetic protein receptor, type IA
NCBI Official Symbol	BMPR1A
NCBI Official Synonym Symbols	ALK3; SKR5; CD292; ACVRLK3; 10q23del
NCBI Protein Information	bone morphogenetic protein receptor type-1A; ALK-3; BMPR-1A; BMP type-1A receptor; activin receptor-like kinase 3; activin A receptor, type II-like kinase 3; serine/threonine-protein kinase receptor R5
UniProt Protein Name	Bone morphogenetic protein receptor type-1A
UniProt Gene Name	BMPR1A
UniProt Synonym Gene Names	ACVRLK3; ALK3; BMP type-1A receptor; BMPR-1A; ALK-3; SKR5
UniProt Entry Name	BMR1A_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/bmpr1a-human-elisa-kits/bone-morphogenetic-protein-receptor-1a/86790>