

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

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CATALOG #
AAA90675

REACTIVITY
Canine

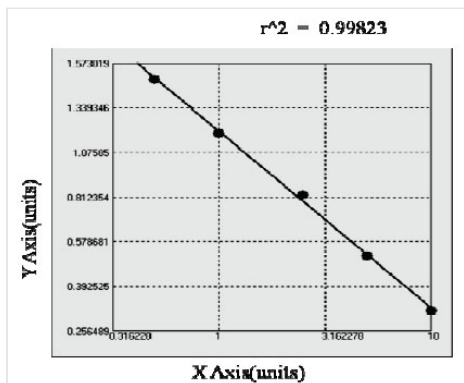
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMPR1A elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This BMPR1A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine BMPR1A. This ELISA kit for research use only! 2. PRINCIPLE OF THE ASSAY BMPR1A ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BMPR1A antibody and an BMPR1A-HRP conjugate. The assay sample and buffer are incubated together with BMPR1A-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 BMPR1A concentration since BMPR1A from samples and BMPR1A-HRP conjugate compete for the anti-BMPR1A antibody binding site. Since the number of sites is limited, as more sites are occupied by BMPR1A from the sample, fewer sites are left to bind BMPR1A-HRP conjugate. 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.
Product Categories/Family for BMPR1A elisa kit	Signal Transduction

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 1A
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-canine-elisa-kits/bone-morphogenetic-protein-receptor-1a/90675>