

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

Bovine Bone Morphogenetic Protein Receptor 1A (BMPR1A) ELISA Kit

CATALOG #
AAA66299

REACTIVITY
Bovine

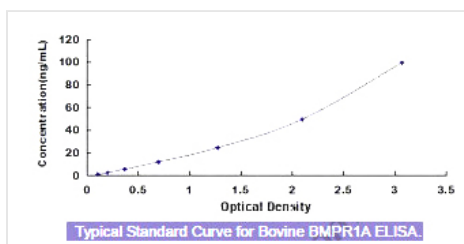
PRODUCT SYNONYMS

Bone Morphogenetic Protein Receptor 1A (BMPR1A); Bovine 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	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of BMPR1A. No significant cross-reactivity or interference between BMPR1A and analogues was observed.
Sequence Length	532
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.53ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BMPR1A 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 BMPR1A 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 BMPR1A elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of BMPR1A in bovine tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to BMPR1A. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 BMPR1A in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	529011164
NCBI GeneID	404101
NCBI Accession #	XP_005226588.1
NCBI GenBank Nucleotide #	XP_005226588.1
UniProt Accession #	F1MCE7
Molecular Weight	60,104 Da
NCBI Official Full Name	bone morphogenetic protein receptor type-1A isoform X1
NCBI Official Symbol	BMPR1A
NCBI Official Synonym Symbols	BMPR-IA
NCBI Protein Information	bone morphogenetic protein receptor type-1A
UniProt Protein Name	Receptor protein serine/threonine kinase
UniProt Gene Name	BMPR1A

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.