

Human Activin A Receptor Type I (ACVR1) ELISA Kit | ACVR1 elisa kit

Human Activin A Receptor Type I (ACVR1) ELISA Kit

CATALOG #
AAA67191

REACTIVITY
Human

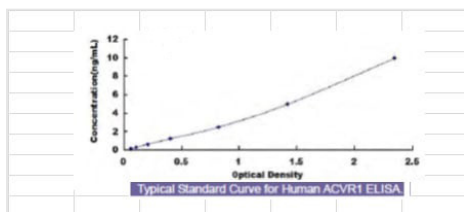
PRODUCT SYNONYMS

Activin A Receptor Type I (ACVR1); Human Activin A Receptor Type I (ACVR1) ELISA Kit; ACVR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ACVR1. No significant cross-reactivity or interference between ACVR1 and analogues was observed.
Sequence Length	509
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.063ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ACVR1 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 ACVR1 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 ACVR1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ACVR1 in human 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 ACVR1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ACVR1. 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 ACVR1, 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 ACVR1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501895
NCBI GeneID	90
NCBI Accession #	NP_001096.1
NCBI GenBank Nucleotide #	NM_001105.4
UniProt Accession #	Q04771
Molecular Weight	57,153 Da
NCBI Official Full Name	activin receptor type-1
NCBI Official Synonym Full Names	activin A receptor type 1
NCBI Official Symbol	ACVR1
NCBI Official Synonym Symbols	FOP; ALK2; SKR1; TSRI; ACTRI; ACVR1A; ACVRLK2
NCBI Protein Information	activin receptor type-1
UniProt Protein Name	Activin receptor type-1
UniProt Gene Name	ACVR1
UniProt Synonym Gene Names	ACVRLK2; ACTR-I; ALK-2; SKR1; TSR-I

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/activin-a-receptor-type-i-acvr1/67191>