

Human Activin A Receptor Type I C ELISA Kit | ACVR1C elisa kit

Human Activin A Receptor Type I C (ACVR1C) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA189930

REACTIVITY
Human

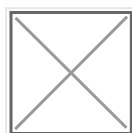
PRODUCT SYNONYMS

Activin A Receptor Type I C; Human Activin A Receptor Type I C (ACVR1C) (Sandwich ELISA) ELISA Kit; ACVR1-C; ALK7; ACVRLK7; Activin receptor-like kinase 7; ELISA Kit for Activin A Receptor Type I C (ACVR1C); ACVR1C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ACVR1C. No significant cross-reactivity or interference between ACVR1C and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.113ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ACVR1C 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 ACVR1C were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACVR1C elisa kit

Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ACVR1C. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ACVR1C. 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 ACVR1C, 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 ACVR1C in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ACVR1C in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

Product Categories/Family for ACVR1C elisa kit

[Signal transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	161333835
NCBI GeneID	130399
NCBI Accession #	NP_001104501.1
NCBI GenBank Nucleotide #	NM_001111031.1
UniProt Accession #	Q8NER5; Q4ZFZ8; Q86UL1; Q86UL2; Q8TBG2
Molecular Weight	54,871 Da
NCBI Official Full Name	activin receptor type-1C isoform 2
NCBI Official Synonym Full Names	activin A receptor, type IC
NCBI Official Symbol	ACVR1C
NCBI Official Synonym Symbols	ALK7; ACVRLK7
NCBI Protein Information	activin receptor type-1C; ALK-7; ACTR-IC; activin receptor type IC; activin receptor-like kinase 7
UniProt Protein Name	Activin receptor type-1C
UniProt Gene Name	ACVR1C
UniProt Synonym Gene Names	ALK7; ACTR-IC; ALK-7
UniProt Entry Name	ACV1C_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/acvr1c-human-elisa-kits/activin-a-receptor-type-i-c/189930>