

Mouse Activin A Receptor Type II B (ACVR2B) ELISA Kit | ACVR2B elisa kit

Mouse Activin A Receptor Type II B (ACVR2B) ELISA Kit

CATALOG #
AAA188176

REACTIVITY
Mouse

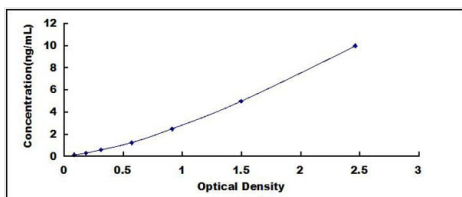
PRODUCT SYNONYMS

Activin A Receptor Type II B (ACVR2B); Mouse Activin A Receptor Type II B (ACVR2B) ELISA Kit; ACVR2-B; ActR-IIB; ACVR2B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Activin A Receptor Type II B (ACVR2B). No significant cross-reactivity or interference between Activin A Receptor Type II B (ACVR2B) and analogues was observed.
Sequence Length	536
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.056ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Activin A Receptor Type II B (ACVR2B) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Activin A Receptor Type II B (ACVR2B) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACVR2B elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Activin A Receptor Type II B (ACVR2B). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Activin A Receptor Type II B (ACVR2B). 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 Activin A Receptor Type II B (ACVR2B), 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 Activin A Receptor Type II B (ACVR2B) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680634
NCBI GeneID	11481
NCBI Accession #	NP_031423.1
NCBI GenBank Nucleotide #	NP_031423.1
UniProt Accession #	P27040
NCBI Official Full Name	activin receptor type-2B
NCBI Official Synonym Full Names	activin receptor IIB
NCBI Official Symbol	Acvr2b
NCBI Official Synonym Symbols	ActRIIB; AI047905; 4930516B21Rik
NCBI Protein Information	activin receptor type-2B
UniProt Protein Name	Activin receptor type-2B
UniProt Gene Name	Acvr2b
UniProt Synonym Gene Names	ACTR-IIB
UniProt Entry Name	AVR2B_MOUSE

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/mouse-elisa-kits/activin-a-receptor-type-ii-b-acvr2b/188176>