

Human Activin receptor type 2B (ACVR2B) ELISA Kit | ACVR2B elisa kit

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CATALOG #
AAA27351

REACTIVITY
Human

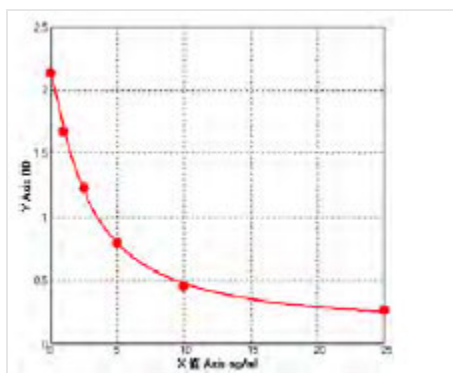
PRODUCT SYNONYMS

Activin receptor type 2B (ACVR2B); Human Activin receptor type 2B (ACVR2B) ELISA Kit; ACVR2B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ACVR2B. No significant cross-reactivity or interference between ACVR2B and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ACVR2B and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACVR2B elisa kit	Intended Uses: This ACVR2B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ACVR2B. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: ACVR2B ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ACVR2B antibody and an ACVR2B-HRP conjugate. The assay sample and buffer are incubated together with ACVR2B-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 ACVR2B concentration since ACVR2B from samples and ACVR2B-HRP conjugate compete for the anti-ACVR2B antibody binding site. Since the number of sites is limited, as more sites are occupied by ACVR2B from the sample, fewer sites are left to bind ACVR2B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACVR2B concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ACVR2B elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	97535735
NCBI GeneID	93
Molecular Weight	– Da
NCBI Official Full Name	Activin receptor type-2B
NCBI Official Synonym Full Names	activin A receptor, type IIB
NCBI Official Symbol	ACVR2B
NCBI Official Synonym Symbols	HTX4; ACTRIIB; ActR-IIB
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_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/human-elisa-kits/activin-receptor-type-2b-acvr2b/27351>