

Human Activin A ELISA Kit | INHBA elisa kit

Human Activin A PicoKine ELISA Kit

CATALOG #
AAA11527

REACTIVITY
Human

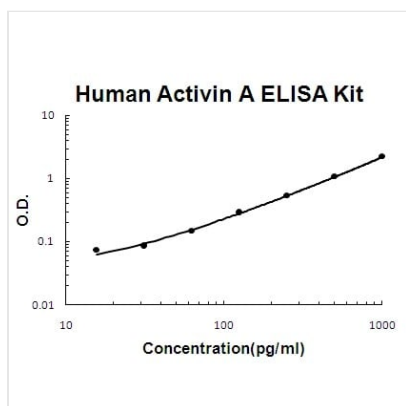
PRODUCT SYNONYMS

Activin A; Human Activin A PicoKine ELISA Kit; Inhibin beta A chain; inhibin; beta A; Activin beta A chain; erythroid differentiation factor; erythroid differentiation protein; follicle stimulating hormone releasing protein; FSH releasing protein; Inhibin; inhibin beta A chain; INHBA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Activin A
Sequence Length	426
Samples	Cell culture supernates, serum, plasma (heparin, EDTA) and saliva
Assay Type	Quantitative Sandwich
Detection Range	15.6pg/ml- 1000pg/ml
Sensitivity	<12pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human Activin A PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for INHBA elisa kit	Principle of the Assay: The Human Activin A ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Activin A has been precoated onto 96-well plates. Standards(Expression system for standard: CHO ; Immunogen sequence: G311-S426) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Leptin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. Acvidin-Biotin-Peroxidase Compiex was added and unbound conugates were washed away with PBS or TBS buffer HRP substrate TMB was used to visualize HRP enzymatic tion. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human Activin A amount of sample captured in plate. Background: Activin A is a homodimer of 14kDa beta-A. Activin A, a cytokine member of Ire transforming growth factor-beta superfamily, is expressed loca!ly by the mesenchymal component of the hemopoietlc microenvironment. its expression is regulated on the mRNA level by different cytoKines. and the biologilt activity of the protein is... controlled by several inhibitory molecules.' Inhibins and activins are members of ine transforming growth factor beta superfamily and are known to modulate the growth and differentiation of severe l cell types 2 Inhibins and activins inhibit and activate. respectively. the secretion of follitropin by the pituitary glanj. Inhibins/activins are Involved in regulating a number of diverse functions such as hypothalamic and pituitary horlhnone secretion, gonadal hormone secretion, germ celi development and maturation. erythroid differentiation. insulin secretion. nerve cell survival embryonic axial development or bone growth depending on their subunit composition. Inhibins appear to oppose the functions of activins.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	3624
UniProt Accession #	A4D1W7; P08476
Molecular Weight	47,442 Da
NCBI Official Synonym Full Names	inhibin, beta A
NCBI Official Symbol	INHBA
NCBI Official Synonym Symbols	EDF; FRP
NCBI Protein Information	inhibin beta A chain; Inhibin, beta-1; activin beta-A chain; FSH-releasing protein; erythroid differentiation factor; erythroid differentiation protein; follicle-stimulating hormone-releasing protein; inhibin, beta A (activin A, activin AB alpha polypeptide)
UniProt Protein Name	Inhibin, beta A (Activin A, activin AB alpha polypeptide)
UniProt Gene Name	INHBA
UniProt Entry Name	A4D1W7_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/inhba-human-elisa-kits/activin-a/11527>