

Human Inhibin beta A ELISA Kit | INHBA elisa kit

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CATALOG # AAA105584	REACTIVITY Human	APPLICATIONS ELISA
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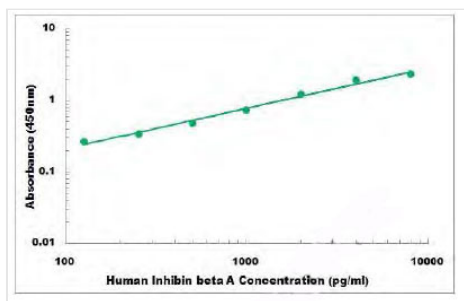
PRODUCT SYNONYMS

Inhibin beta A; Human Inhibin beta A ELISA Kit; Inhibin beta A chain; Activin beta-A chain; Erythroid differentiation protein; EDF; INHBA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Inhibin beta A ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Inhibin beta A proteins within the range of 125 pg/ml - 8000 pg/ml.
Sequence Length	426
Samples	Cell Culture Supernatants, Serum, Plasma
Assay Type	Quantitative Sandwich
Sensitivity	<60 pg/ml
Applicable Applications for INHBA elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for INHBA elisa kit	Principle of the Assay: The AAA Biotech' Human Inhibin beta A ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Inhibin beta A in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human Inhibin beta A coated on a 96-well plate. Standards and samples are pipetted into the wells and Inhibin beta A present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Inhibin beta A antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Inhibin beta A bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.!!Background/Introduction: Activin A is a homodimer of 14kDa beta-A. Activin A, a cytokine member of the transforming growth factor-beta superfamily, is expressed locally by the mesenchymal component of the hemopoietic microenvironment. Its expression is regulated on the mRNA level by different cytokines, and the biological activity of the protein is tightly controlled by several inhibitory molecules. Inhibins and activins are members of the transforming growth factor beta superfamily and are known to modulate the growth and differentiation of several cell types. Inhibins and activins inhibit and activate, respectively, the secretion of follitropin by the pituitary gland. Inhibins/activins are involved in regulating a number of diverse functions such as hypothalamic and pituitary hormone secretion, gonadal hormone secretion, germ cell 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 GI #	4504699
NCBI GeneID	3624
NCBI Accession #	NP_002183.1
NCBI GenBank Nucleotide #	NM_002192.2
UniProt Accession #	P08476 ; Q14599
Molecular Weight	47,442 Da
NCBI Official Full Name	inhibin beta A chain
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 chain
UniProt Gene Name	INHBA
UniProt Synonym Gene Names	EDF
UniProt Entry Name	INHBA_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/inhibin-beta-a/105584>