

Human Activin A ELISA Kit | INHBA elisa kit

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CATALOG #
AAA37887

REACTIVITY
Human

PRODUCT SYNONYMS

Activin A; Human Activin A ELISA Kit; INHBA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	sandwich
Samples	cell culture supernates, serum, plasma (heparin, EDTA) and saliva
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<12pg/ml
Detection Target	Activin A
Immunogen Sequence	320
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)

ADDITIONAL INFORMATION

Related Product Information for INHBA elisa kit

This Human Activin A ELISA Kit is intended for quantitative detection of human Activin A in cell culture supernates, serum, plasma (heparin, EDTA) and saliva. Strip well format. Reagents for up to 96 tests.

This 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 (CHO, G311-S426) and test samples are added to the wells, a biotinylated detection monoclonal antibody from mouse specific for Activin A 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. HRP substrate TMB was used to visualize HRP enzymatic reaction. 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.

The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated monoclonal antibody from mouse. Expression system for standard: 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. The standard product used in this kit is recombinant Activin A, which is composed of two single chains of 116 amino acids with the molecular mass of 26kDa.

NCBI AND UNIPROT INFORMATION

UniProt Accession #

A4D1W7

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://www.aaabiotech.com/human-elisa-kits/activin-a/37887>