Mouse Activin A ELISA Kit | INHBA elisa kit

Mouse Activin A PicoKine ELISA Kit

CATALOG #	REACTIVITY
AAA45227	**Mouse**

PRODUCT SYNONYMS

Activin A; Mouse 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	Mouse
Specificity	Natural and recombinant mouse Activin A
Sequence Length	424
Samples	Cell culture supernates, serum, plasma (heparin, EDTA) and saliva
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	< 10pg/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)
Mouse Activin A PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for INHBA elisa kit	**Principle of the assay:** mouse Activin A ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat 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 mouse Activin A amount of sample captured in plate. **Background:** 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.1 Inhibins and activins are members of the transforming growth factorbeta superfamily and are known to modulate the growth and differentiation of several cell types.2 Inhibins andactivins 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	462406
NCBI GeneID	16323
UniProt Accession #	Q04998
Molecular Weight	47,392 Da
NCBI Official Full Name	Inhibin beta A chain
NCBI Official Synonym Full Names	inhibin beta-A
NCBI Official Symbol	Inhba
NCBI Protein Information	inhibin beta A chain; activin beta-A chain
UniProt Protein Name	Inhibin beta A chain
UniProt Gene Name	**Inhba**
UniProt Entry Name	INHBA_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.

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Online datasheet: https://stage.aaabiotech.com/inhba-mouse-elisa-kits/activin-a/45227