

Activin A ELISA Kit | INHBA elisa kit

Bovine Activin A PicoKine ELISA Kit

CATALOG # AAA124748	REACTIVITY Bovine There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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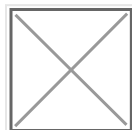
PRODUCT SYNONYMS

Activin A; Bovine Activin A PicoKine ELISA Kit; Inhibin; beta A (Activin A; activin AB alpha polypeptide); isoform CRA_a; cDNA FLJ75379; highly similar to Homo sapiens inhibin; beta A (activin A; mRNA; INHBA; hCG_17267; tcag7.474; INHBA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Bovine Bovine Activin A
Sequence Length	426
Assay Type	Quantitative Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<12pg/ml
Applicable Applications for INHBA elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration weretested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration weretested 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for INHBA elisa kit	<p>Principle of the Assay: Bovine Bovine Activin A ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Bovine 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 monoclonal antibody from mouse specific for Bovine 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 Bovine Bovine Activin A amount of sample captured in plate.</p> <p>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. 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.</p>
Product Categories/Family for INHBA elisa kit	Signal Transduction ; Growth Factors/Hormones ; Cancer ; Tumor Biomarkers

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504699
NCBI GeneID	3624
NCBI Accession #	NP_002183.1
NCBI GenBank Nucleotide #	NM_002192.3
UniProt Accession #	A4D1W7 ; P08476
Molecular Weight	47442 MW
NCBI Official Full Name	inhibin beta A chain preproprotein
NCBI Official Synonym Full Names	inhibin beta A subunit
NCBI Official Symbol	INHBA
NCBI Official Synonym Symbols	EDF; FRP
NCBI Protein Information	inhibin beta A chain
UniProt Protein Name	Inhibin, beta A (Activin A, activin AB alpha polypeptide)
UniProt Gene Name	INHBA

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-bovine-ovine-elisa-kits/activin-a/124748>