

Mouse inhibin B ELISA Kit | INH-B elisa kit

Mouse inhibin B, INH-B ELISA Kit

CATALOG #
AAA79671

REACTIVITY
Mouse

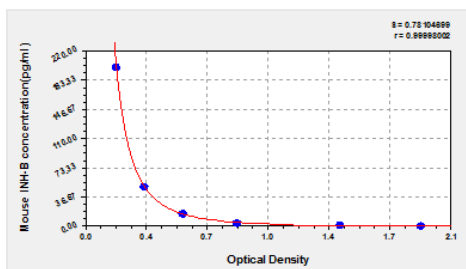
PRODUCT SYNONYMS

inhibin B; Mouse inhibin B; INH-B ELISA Kit; EDF; FRP; FSH-releasing protein; Inhibin; beta-1; OTTHUMP00000207260; erythroid differentiation factor; follicle-stimulating hormone-releasing protein; inhibin beta A; inhibin; beta A (activin A; activin; INH-B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse INH-B. No significant cross-reactivity or interference between Mouse INH-B and analogues was observed.
Sequence Length	424
Detection Range	0.8 pg/ml-200 pg/ml
Sensitivity	0.2 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for INH-B elisa kit

Introduction: Inhibin is a peptide that is an inhibitor of FSH synthesis and secretion, and participates in the regulation of the menstrual cycle. Inhibin contains an alpha and beta subunit linked by disulfide bonds. Two forms of inhibin differ in their beta subunits (A or B), while their alpha subunits are identical. Inhibin belongs to the transforming growth factor-beta (TGF-beta) superfamily. In women, FSH stimulates the secretion of inhibin from the granulosa cells of the ovarian follicles in ovary. In turn, inhibin suppresses FSH. Inhibin secretion is diminished by GnRH, and enhanced by insulin-like growth factor-1 (IGF-1). Inhibins have been defined based on their activity of suppressing pituitary gonadotropin secretion. Thus, the serum concentrations of Inhibin B and FSH are inversely correlated, and at low serum levels of Inhibin B, FSH concentration goes up. Inhibin B serum concentration increases gradually in the follicular phase to a broad peak at 7 days prior to the LH surge, and may constitute the limiting factor for the duration of the inter-cycle FSH rise. A decrease and a second peak follow this peak one-day past the LH surge. Most of the serum Inhibin B concentration originates from large follicles, since such follicles secrete 10 fold higher concentrations than do the small follicles. Inhibin B concentrations drop to a very low concentration at the luteal phase, and is undetectable during pregnancy.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with goat-anti-rabbit antibody. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated INH-B and antibody preparation specific for INH-B, and incubated. Then substrate solutions are added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of INH-B in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680451
NCBI GeneID	16323
NCBI Accession #	NP_032406.1
NCBI GenBank Nucleotide #	NM_008380.1
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/inh-b-mouse-elisa-kits/inhibin-b/79671>