

Human Inhibin Beta E (INHbE) ELISA Kit | INHbE elisa kit

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CATALOG #
AAA161547

REACTIVITY
Human

PRODUCT SYNONYMS

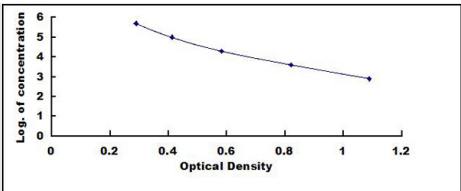
Inhibin Beta E (INHbE); Human Inhibin Beta E (INHbE) ELISA Kit; INHbE ELISA kit (Human); INH-bE; Activin beta-E chain; INHbE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Inhibin Beta E (INHbE). No significant cross-reactivity or interference between Inhibin Beta E (INHbE) and analogues was observed. Reactive with Human INHbE/Inhibin Beta E
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Method	Colormetric
Featured Series	CE kit
Detection Range	800-500,000pg/mL
Sensitivity	274pg/mL
Sample Size	50uL
Assay Time	2h
Function	Detects small molecule
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Inhibin Beta E (INHbE) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Inhibin Beta E (INHbE) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10%, Inter-Assay: CV<12%
Assay Procedure Summary	1. Prepare all reagents, samples and standards 2. Add 50ul standard or sample to each well. And then add 50ul prepared Detection Reagent A immediately. Shake and mix. Incubate 1 hour at 37 degree C 3. Aspirate and wash 3 times 4. Add 100ul prepared Detection Reagent B. Incubate 30 minutes at 37 degree C 5. Aspirate and wash 5 times 6. Add 90ul Substrate Solution. Incubate 10-20 minutes at 37 degree C 7. Add 50ul Stop Solution. Read at 450 nm immediately.
Test Principle	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Inhibin Beta E (INHbE) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Inhibin Beta E (INHbE) and unlabeled Inhibin Beta E (INHbE)(Standards or samples) with the pre-coated antibody specific to Inhibin Beta E (INHbE). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Inhibin Beta E (INHbE) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Inhibin Beta E (INHbE) in the sample.

Research Area	Endocrinology
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (One year within shelf life) The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)
Typical Standard Curve for INHbE ELISA (Competitive)

NCBI AND UNIPROT INFORMATION

NCBI GI #	13899338
NCBI GeneID	83729
NCBI Accession #	NP_113667.1
NCBI GenBank Nucleotide #	NM_031479.3
UniProt Accession #	P58166
Molecular Weight	38,561 Da
NCBI Official Full Name	inhibin beta E chain
NCBI Official Synonym Full Names	inhibin, beta E
NCBI Official Symbol	INHBE
NCBI Protein Information	inhibin beta E chain; activin beta E; activin beta-E chain
UniProt Protein Name	Inhibin beta E chain
UniProt Gene Name	INHBE

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.