

## Datasheet for ABIN5655354 **INHBE ELISA Kit**



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### Overview

Quantity: 96 tests

Target: INHBE

Reactivity: Mouse

Method Type: Competition ELISA

Detection Range: 3.09 pg/mL - 250 pg/mL

Minimum Detection Limit: 3.09 pg/mL

Application: ELISA

### Product Details

Sample Type: Plasma, Serum, Tissue Homogenate

Analytical Method: Quantitative

Detection Method: Colorimetric

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.

Sensitivity: 1.35 pg/mL

### Target Details

Target: INHBE

Alternative Name: Inhibin Beta E ([INHBE Products](#))

## Target Details

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Background:	Gene Name: Inhibin Beta E Gene Aliases: INH-bE, Activin beta-E chain
Gene ID:	16326
UniProt:	<a href="#">O08717</a>
Pathways:	<a href="#">Peptide Hormone Metabolism</a> , <a href="#">Hormone Activity</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

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Comment:	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.
Assay Time:	2 h
Plate:	Pre-coated
Protocol:	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.
Assay 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. $CV(\%) = \frac{SD}{mean} \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Restrictions:	For Research Use only

## Handling

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Handling Advice:	The Stop Solution is acidic. Do not allow to contact skin or eyes. Calibrators, controls and specimen samples should be assayed in duplicate. Once the procedure has been started, all steps should be completed without interruption.
Storage:	4 °C,-20 °C
Storage Comment:	-20°C. Bring all reagents to room temperature before beginning test. The kit may be stored at 4°C for immediate use within two days upon arrival. Reseal any unused strips with desiccant pack. Minimize freeze/thaw cycles.
Expiry Date:	4-8 months