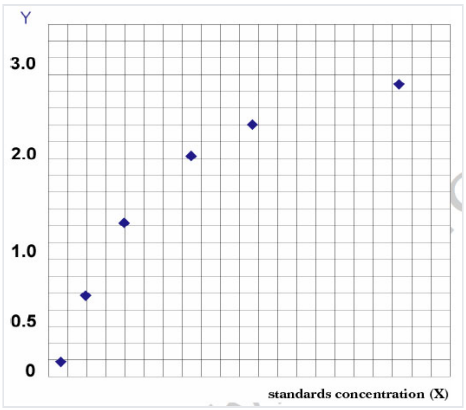
Inhibin Beta C (INHbetaC) ELISA Kit for Rat

PRODUCT OVERVIEW

Product Name	Inhibin Beta C (INHbetaC), ELISA Kit
Full Product Name	Rat Inhibin Beta C ELISA Kit
Product Gene Name	INHbetaC elisa kit
Species Reactivity	Rat
Assay Type	Competitive or Sandwich
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Detection Range	10-2500pg/mL
Sensitivity	1.0pg/ml
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	38,238 Da
OMIM	601233
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
Highest Standards	250 pg/mL
Concentration of Standards	Concentration of Standards||0,10,25,50,100,250 pg/mL
Product Categories/Family for INHbetaC elisa kit	Signal Transduction
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for INHbetaC elisa kit	MBS727770 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Inhibin Beta C (INHbetaC) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing INHbetaC. The ELISA analytical biochemical technique of the MBS727770 kit is based on INHbetaC antibody-INHbetaC antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect INHbetaC antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, INHbetaC. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of INHbetaC elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Typical Testing Data/Standard Curve (for reference only) of INHbetaC elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for INHbetaC. It may not necessarily be applicable to this product.

NCBI GI #	5031795
NCBI GeneID	3626
NCBI Accession #	NP_005529.1
UniProt Secondary Accession #	A1L3Y2
UniProt Related Accession #	P55103
GenBank Nucleotide #	NM_005538.3
NCBI Official Full Name	inhibin beta C chain preproprotein
NCBI Official Synonym Full Names	inhibin, beta C
NCBI Official Symbol	INHBC
NCBI Official Synonym Symbols	IHBC
UniProt Protein Name	Inhibin beta C chain
UniProt Synonym Protein Names	Activin beta-C chain
Protein Family	Inhibin
UniProt Gene Name	INHBC
UniProt Entry Name	INHBC_HUMAN
NCBI Protein Information	inhibin beta C chain; activin beta-C chain
NCBI Summary for INHbetaC	This gene encodes the beta C chain of inhibin, a member of the TGF-beta superfamily. This subunit forms heterodimers with beta A and beta B subunits. Inhibins and activins, also members of the TGF-beta superfamily, are hormones with opposing actions and are involved in hypothalamic, pituitary, and gonadal hormone secretion, as well as growth and differentiation of various cell types. [provided by RefSeq, Jul 2008]

UniProt Comments for INHbetaC	INHBC: 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. Belongs to the TGF-beta family. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 12q13.1 Cellular Component: extracellular space; extracellular region Molecular Function: growth factor activity; hormone activity; cytokine activity; transforming growth factor beta receptor binding Biological Process: regulation of apoptosis; regulation of MAPKKK cascade; cell development; growth
Research Articles on INHbetaC	**1.** The inhibin-betaC subunit is down-regulated, while inhibin-betaE is up-regulated by interferon-beta1a in Ishikawa carcinoma cell line.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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