

Human follicle-stimulating hormone, FSH ELISA Kit | FSH elisa kit

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CATALOG #
AAA80211

REACTIVITY
Human

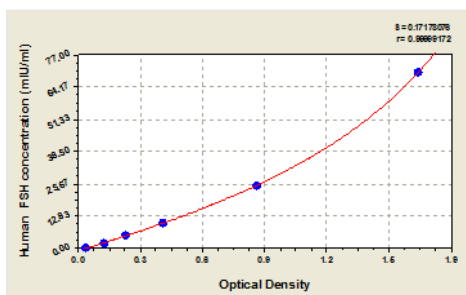
PRODUCT SYNONYMS

follicle-stimulating hormone; FSH; human follicle-stimulating hormone; FSH ELISA Kit; FSH ELISA Kit ; FSH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human FSH. No significant cross-reactivity or interference between human FSH and analogues was observed.
Sequence Length	801
Samples	Serum, plasma, tissue homogenates
Detection Range	2 mIU/ml-70 mIU/ml
Sensitivity	1.0 mIU/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
Protein Biological Process 1	Sex hormone
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 FSH elisa kit	Introduction: Follicle-stimulating hormone (FSH) is a hormone synthesized and secreted by gonadotropes in the anterior pituitary gland. FSH regulates the development, growth, pubertal maturation, and reproductive processes of the human body. FSH and Luteinizing hormone (LH) act synergistically in reproduction. FSH is a glycoprotein. Each monomeric unit is a protein molecule with a sugar attached to it; two of these make the full, functional protein. Its structure is similar to those of LH, TSH, and hCG. The protein dimer contains 2 polypeptide units, labeled alpha and beta subunits. The alpha subunits of LH, FSH, TSH, and hCG are identical, and contain 92 amino acids. The beta subunits vary. FSH has a beta subunit of 118 amino acids (FSHB), which confers its specific biologic action and is responsible for interaction with the FSH-receptor. The sugar part of the hormone is composed of fucose, galactose, mannose, galactosamine, glucosamine, and sialic acid, the latter being critical for its biologic half-life. The half-life of FSH is 3-4 hours. Its molecular wt is 30000. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to FSH. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated monoclonal antibody preparation specific for FSH and incubated. Then substrate solution A and B are added to each well. Only those wells that contain FSH, HRP-conjugated antibody will exhibit a change in color. 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 FSH in the samples is then determined by comparing the O.D. of the samples to the standard curve
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2980663
UniProt Accession #	P25440; O00699; O00700; Q15310; Q5STC9; Q63HQ9; Q658Y7; Q6P3U2; Q969U4; A2AAU0; B0S7P0; B1AZT1
Molecular Weight	74,881 Da
NCBI Official Full Name	FSH
UniProt Protein Name	Bromodomain-containing protein 2
UniProt Gene Name	BRD2
UniProt Synonym Gene Names	KIAA9001; RING3
UniProt Entry Name	BRD2_HUMAN

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/human-elisa-kits/follicle-stimulating-hormone-fsh/80211>