

Sheep follicle stimulating hormone, beta polypeptide ELISA Kit | FSH elisa kit

Sheep Follicle Stimulating Hormone, FSH ELISA Kit

CATALOG #
AAA80192

REACTIVITY
Sheep

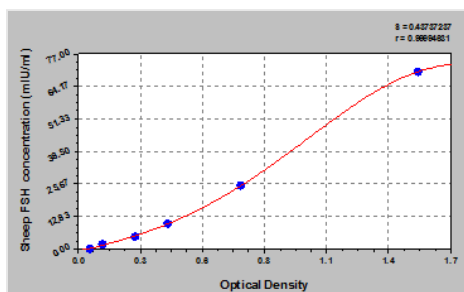
PRODUCT SYNONYMS

follicle stimulating hormone; beta polypeptide; Sheep Follicle Stimulating Hormone; FSH ELISA Kit; Sheep Follicle Stimulating Hormone (FSH) ELISA kit; follicle-stimulating hormone beta subunit; follitropin; beta chain; Sheep Follicle Stimulating Hormone (FSH); FSH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of Sheep FSHB. No significant cross-reactivity or interference between Sheep FSHB and analogues was observed.
Sequence Length	129
Samples	Serum, plasma, tissue homogenates
Detection Range	0 mIU/ml-70 mIU/ml
Sensitivity	1 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 goat-anti-rabbit antibody. Standards or samples are then added to the appropriate microtiter plate wells with a HRP-conjugated FSH and antibody preparation specific for FSH 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 FSH in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	57619324
NCBI GeneID	443387
NCBI Accession #	NP_001009798.1
NCBI GenBank Nucleotide #	NM_001009798.1
UniProt Accession #	P01227
Molecular Weight	14,669 Da
NCBI Official Full Name	follitropin subunit beta
NCBI Official Symbol	FSHB
NCBI Protein Information	follitropin subunit beta; FSH-B; FSH-beta; follitropin beta chain; follicle stimulating hormone beta-subunit; follicle-stimulating hormone beta subunit
UniProt Protein Name	Follitropin subunit beta
UniProt Gene Name	FSHB
UniProt Synonym Gene Names	FSH-B; FSH-beta
UniProt Entry Name	FSHB_SHEEP

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://www.aaabiotech.com/fsh-sheep-elisa-kits/follicle-stimulating-hormone-beta-polypeptide/80192>