LHB Antibody (C-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	LHB, Blocking Peptide
Full Product Name	LHB Antibody (C-term) Blocking Peptide
Product Gene Name	LHB blocking peptide
Product Synonym Names	Lutropin subunit beta; Lutropin beta chain; Luteinizing hormone subunit beta; LH-B; LSH-B; LSH-beta; LHB
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Specificity	The synthetic peptide sequence used to generate the antibody was selected from the C-term region of human LHB. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	LHB peptide (MBS9227433) is used for blocking the activity of LHB antibody (MBS9213239)
Molecular Weight	15,345 Da
OMIM	152780
Cellular Location	Secreted.
Tissue Location	Pituitary gland.
Related Product Information for LHB blocking peptide	Promotes spermatogenesis and ovulation by stimulating the testes and ovaries to synthesize steroids.
Other Notes	Small volumes of LHB blocking peptide 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.
Searchable Terms for LHB purchase	MBS9227433 is a blocking peptide targeting LHB. Also known as LHB Antibody (C-term) Blocking Peptide.

ADDITIONAL DETAILS

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

NCBI GI #	1170834
NCBI GeneID	3972
NCBI Accession #	P01229.3
UniProt Primary Accession #	P01229
UniProt Secondary Accession #	Q9UDI0
UniProt Related Accession #	P01229
NCBI Official Full Name	Lutropin subunit beta
NCBI Official Synonym Full Names	luteinizing hormone beta polypeptide
NCBI Official Symbol	LHB
NCBI Official Synonym Symbols	CGB4; HH23; LSH-B; LSH-beta

UniProt Protein Name	Lutropin subunit beta
UniProt Synonym Protein Names	Luteinizing hormone subunit beta; LH-B; LSH-B; LSH-beta
Protein Family	Lutropin/choriogonadotropin
UniProt Gene Name	LHB
UniProt Synonym Gene Names	Lutropin beta chain; LH-B; LSH-B; LSH-beta
UniProt Entry Name	LSHB_HUMAN
NCBI Protein Information	lutropin subunit beta
NCBI Summary for LHB	This gene is a member of the glycoprotein hormone beta chain family and encodes the beta subunit of luteinizing hormone (LH). Glycoprotein hormones are heterodimers consisting of a common alpha subunit and an unique beta subunit which confers biological specificity. LH is expressed in the pituitary gland and promotes spermatogenesis and ovulation by stimulating the testes and ovaries to synthesize steroids. The genes for the beta chains of chorionic gonadotropin and for luteinizing hormone are contiguous on chromosome 19q13.3. Mutations in this gene are associated with hypogonadism which is characterized by infertility and pseudohermaphroditism. [provided by RefSeq, Jul 2008]
UniProt Comments for LHB	LHB: Promotes spermatogenesis and ovulation by stimulating the testes and ovaries to synthesize steroids. Defects in LHB are a cause of hypogonadism LHB-related (HGON-LHB). Hypogonadism is characterized by infertility and pseudohermaphroditism. Belongs to the glycoprotein hormones subunit beta family. Protein type: Secreted, signal peptide; Secreted; Hormone Chromosomal Location of Human Ortholog: 19q13.32 Cellular Component: extracellular region; Golgi lumen Molecular Function: receptor binding Biological Process: cell-cell signaling; male gonad development; peptide hormone processing; progesterone biosynthetic process; signal transduction Disease: Fertile Eunuch Syndrome
Research Articles on LHB	**1.** The Trp8Arg/Ile15Thr polymorphism within the LHB gene was not associated with endometriosis and infertility.
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