

Product datasheet for **AM00973PU-N**

Luteinizing Hormone beta (LHB) Mouse Monoclonal Antibody [Clone ID: 090-10226]

Product data:

Product Type:	Primary Antibodies
Clone Name:	090-10226
Applications:	ELISA
Recommended Dilution:	ELISA. <u>Recommended Pairs for Sandwich Immunoassay:</u> Capture/Detection: AM00973PU-N/AM00975PU-N or AM00972PU-N/AM00973PU-N.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Source: Human Pituitary Gland
Specificity:	This antibody reacts to Luteinizing Hormone (LH). <u>Cross-reactivity:</u> hCG: < 0.01% FSH: > 0.1%
Formulation:	10mM Phosphate, pH 7.4 +/- 0.2 containing 150mM Sodium Chloride and 0.05% Sodium Azide as preservative. State: Purified State: Liquid (0.2µm filtered) purified Ig fraction (>90% pure by SDS-PAGE).
Concentration:	lot specific
Purification:	Protein A Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one week or (in aliquots) at < -40°C for longer. Avoid repeated freezing and thawing. If aliquoted for long term storage, fill volume should be equal to or greater than 50% of the nominal fill volume of the vial used.
Stability:	Shelf life: one year from despatch.
Gene Name:	luteinizing hormone beta polypeptide



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Database Link: [Entrez Gene 3972 Human P01229](#)

Background: Luteinizing Hormone is a member of the glycoprotein hormone family. 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. Mutations in the Luteinizing Hormone (LHB) gene are associated with hypogonadism which is characterized by infertility and pseudohermaphroditism.

Synonyms: CGB4; hLHB; LH-B; LSH-B; LSH-beta

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: GnRH signaling pathway, Neuroactive ligand-receptor interaction