

## Product datasheet for **AM00974PU-N**

### Luteinizing Hormone beta (LHB) Mouse Monoclonal Antibody [Clone ID: 057-10037]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	057-10037
Applications:	ELISA
Recommended Dilution:	<b>ELISA.</b> <i>Recommended Pairs for Sandwich Immunoassay:</i> Capture/Detection: AM00974PU-N/AM00975PU-N
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognizes Luteinizing Hormone.
Formulation:	10mM Sodium Phosphate, pH 7.4 containing 150mM Sodium Chloride State: Purified State: Liquid purified Ig fraction (>90% pure by SDS-PAGE) Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	luteinizing hormone beta polypeptide
Database Link:	<a href="#">Entrez Gene 3972 Human P01229</a>



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<b>Background:</b>	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.
<b>Synonyms:</b>	CGB4; hLHB; LH-B; LSH-B; LSH-beta
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	GnRH signaling pathway, Neuroactive ligand-receptor interaction