

## Product datasheet for **AM09306HR-N**

### Luteinizing Hormone beta (LHB) Mouse Monoclonal Antibody [Clone ID: LH-2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	LH-2
Applications:	ELISA
Recommended Dilution:	<b>ELISA:</b> In combination with capture antibody, anti-LH Alpha antibody Clone LH-1 (Cat.-No AM09305PU-N), the antibody can be used for LH detection in sandwich ELISA application.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human LH beta subunit.
Specificity:	This antibody is reactive to beta chain of Luteinizing hormone (LH).
Formulation:	0.01M PBS, pH 7.2 containing 50% Glycerol Label: HRP State: Liquid purified IgG fraction
Purification:	Affinity Chromatography on Protein G
Conjugation:	HRP
Storage:	Upon receipt, store (in aliquots) at -20°C. 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>	<p>In the female menstrual cycle, during a 24-48 hour period, luteinizing hormone (LH) is rapidly released from gonadotropic cells in pituitary gland as a result of positive feedback regulation by the elevated estrogen during follicle maturation. The LH surge triggers the release of mature egg from ovarian follicle and the development of remaining follicle into corpus luteum. Progesterone secreted by corpus luteum is needed for preparing the endometrium for egg implantation.</p> <p>LH is critical for ovulation in women. In men, LH stimulates testis to produce testosterone. LH has a <math>\alpha</math> subunit that is identical to the one in other glycoprotein hormones such as TSH, FSH and HCG. LH level used for predicating ovulation in women to increase the chance of insemination.</p>
<b>Synonyms:</b>	LHB, LH-B, LSH-beta, Luteinizing hormone subunit beta, Lutropin beta chain, Lutropin subunit beta
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	GnRH signaling pathway, Neuroactive ligand-receptor interaction