

AM00972PU-N**Monoclonal Antibody to Luteinizing Hormone (LH) - Purified**

Quantity:	1 mg
Concentration:	5.0 mg/ml (OD280nm, E0.1% = 1.4)
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.
Uniprot ID:	P01229
NCBI:	NP_000885
GeneID:	3972
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	090-11412
Immunogen:	Source: Human Pituitary Gland
Format:	State: Liquid purified Ig fraction (>90% pure SDS-PAGE). Product is 0.2 µm filtered. Purification: Protein A Chromatography. Buffer System: 10mM Phosphate, pH 7.4 containing 150mM Sodium Chloride Preservatives: 0.09% Sodium Azide
Applications:	ELISA. Recommended Pair for Sandwich Immunoassay: <u>Capture / Detection:</u> AM00972PU-N/AM00974PU-N AM00972PU-N/AM00973PU-N Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to Luteinizing Hormone (LH). Cross-reactivity: hCG: < 0.01% FSH: > 0.1% Species: Human. Other species not tested. Affinity Constant: 3.7 x 10 ¹⁰

Storage:

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.