

ARG10178 anti-LH antibody [LH-2] (HRP)

Package: 100 µl

Store at: -20°C

Summary

Product Description	HRP-conjugated Mouse Monoclonal antibody [LH-2] recognizes Human LH beta subunit
Tested Reactivity	Hu
Tested Application	ELISA
Host	Mouse
Clonality	Monoclonal
Clone	LH-2
Isotype	IgG1, kappa
Target Name	LH
Species	Human
Immunogen	Human LH β subunit
Conjugation	HRP
Alternate Names	Luteinizing hormone subunit beta; CGB4; Lutropin beta chain; HH23; LSH-B; hLHB; LSH-beta; LH-B; Lutropin subunit beta

Application Instructions

Application Note	<p>ELISA: In combination with capture antibody, anti-LH α mAb LH-1 (ARG10177), the antibody can be used for LH detection in sandwich ELISA application.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>
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Properties

Form	Liquid
Purification	Protein G affinity purified
Buffer	0.01M PBS (pH 7.2) and 50% Glycerol
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Keep the antibody in the dark and keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 3972 Human
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[Swiss-port # P01229 Human](#)

Gene Symbol	LHB
Gene Full Name	luteinizing hormone beta polypeptide
Background	<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. LH is critical for ovulation in women. In men, LH stimulates testis to produce testosterone. LH has a α subunit that is identical to the one in other glycoprotein hormones such as TSH, FSH and HCG. LH level is used for predicating ovulation in women to increase the chance of insemination.</p>
Function	<p>Promotes spermatogenesis and ovulation by stimulating the testes and ovaries to synthesize steroids. [UniProt]</p>
Highlight	<p>Related Antibody Duos and Panels: ARG30058 Luteinizing Hormone ELISA Antibody Duo Related products: LH antibodies; LH ELISA Kits; LH Duos / Panels; Anti-Mouse IgG secondary antibodies;</p>
Research Area	Cancer antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	15 kDa