

ARG10177 anti-LH / Luteinizing Hormone antibody [LH-1]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [LH-1] recognizes LH / Luteinizing Hormone
Tested Reactivity	Hu
Tested Application	ELISA, IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	LH-1
Isotype	IgG1, kappa
Target Name	LH / Luteinizing Hormone
Species	Human
Immunogen	Human LH α subunit
Conjugation	Un-conjugated
Alternate Names	FSH-alpha; LSH-alpha; FSHA; Thyrotropin alpha chain; LHA; CG-alpha; GPHA1; TSHA; Chorionic gonadotrophin subunit alpha; Luteinizing hormone alpha chain; TSH-alpha; Choriogonadotropin alpha chain; GPHA; CG-ALPHA; Anterior pituitary glycoprotein hormones common subunit alpha; Follitropin alpha chain; HCG; Glycoprotein hormones alpha chain; Thyroid-stimulating hormone alpha chain; Follicle-stimulating hormone alpha chain; Lutropin alpha chain

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	IHC-P	1:2000 - 1:4000
Application Note	ELISA: In combination with HRP conjugated anti-LH beta mAb LH-2 (ARG10178), the antibody can be used as capture antibody to detect LH in sandwich ELISA application. IHC-P: Antigen Retrieval: Heat the tissue section in 10 mM citrate buffer (pH 6.0) * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Protein G affinity purified
Buffer	0.01M PBS (pH 7.2)
Concentration	1 mg/ml
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 or below. Storage in frost free freezers is not recommended. 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: 1081 Human Swiss-port # P01215 Human
Gene Symbol	CGA
Gene Full Name	glycoprotein hormones, alpha 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>
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	13 kDa