

Product datasheet for **AM09300PU-N**

hCG (CGA) Mouse Monoclonal Antibody [Clone ID: FSH-1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	FSH-1
Applications:	ELISA
Recommended Dilution:	ELISA: This antibody can be used as capturer in sandwich ELISA for FSH detection in combination with our matched anti-FSH antibody Cat.-No AM09301HR-N. <i>Suggested Capturer Coating Quantity:</i> 4 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human FSH alpha subunit.
Specificity:	This antibody is reactive to alpha chain of FSH.
Formulation:	0.01M PBS, pH 7.2 State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore with double distilled water to adjust the final concentration to 1,0 mg/ml
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Prior to and following reconstitution store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glycoprotein hormones, alpha polypeptide
Database Link:	Entrez Gene 1081 Human P01215



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Background:	<p>Follicle stimulating hormone (FSH) stimulates the development and maturation of both male and female germ cells. FSH is crucial for the small follicles to avert apoptosis. During female menstrual cycle, FSH initiates the growth of immature follicles and stimulates estradiol secretion. FSH level increases a few days after menstrual flow when progesterone and estradiol are at low level.</p> <p>FSH is produced by gonadotropic cells in pituitary gland. FSH has a α subunit that is identical to the one in other glycoprotein hormones such as TSH, LH and HCG. FSH level is evaluated to help diagnosis of problems associated with reproductive system and fertility.</p>
Synonyms:	<p>Follitropin alpha chain, Follicle-stimulating hormone alpha chain, FSH-alpha, Lutropin alpha chain, Luteinizing hormone alpha chain, LSH-alpha, LH alpha, Thyrotropin alpha chain, Thyroid-stimulating hormone alpha chain, TSH-alpha, Choriogonadotropin alpha chain, Chorionic gonadotrophin subunit alpha, hCG-alpha</p>
Protein Families:	<p>Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein</p>
Protein Pathways:	<p>Autoimmune thyroid disease, GnRH signaling pathway, Neuroactive ligand-receptor interaction</p>