

ARG80845 Human hCG ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG80845 Human hCG ELISA Kit is an Enzyme Immunoassay kit for the quantification of human chorionic gonadotropin (hCG) in serum and plasma (EDTA, heparin, citrate).
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	hCG
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	less than 5 mIU/ml
Sample Type	Serum and plasma (EDTA, heparin, citrate).
Standard Range	5 - 1000 mIU/ml
Sample Volume	25 µl
Alternate Names	hCG alpha: 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; Follicle-stimulating hormone alpha chain; HCG; Glycoprotein hormones alpha chain; Thyroid-stimulating hormone alpha chain; Follicle-stimulating hormone alpha chain; Lutropin alpha chain hCG beta: hCGB; CGB5; CGB7; CGB3; Chorionic gonadotrophin chain beta; CGB8; CG-beta; Choriogonadotropin subunit beta

Application Instructions

Assay Time	30, 10 min
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Properties

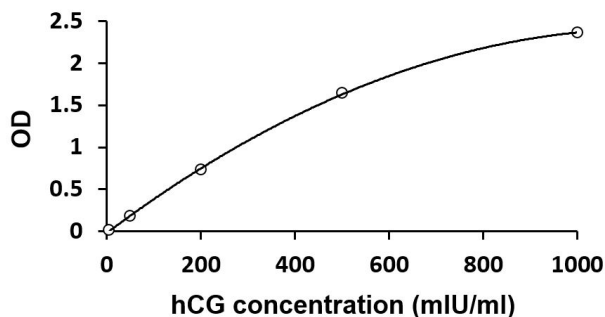
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 1082 Human Swiss-port # P01233 Human
Gene Symbol	CGA; CGB

Gene Full Name	glycoprotein hormones, alpha polypeptide; chorionic gonadotropin, beta polypeptide
Background	<p>hCG alpha: The four human glycoprotein hormones chorionic gonadotropin (CG), luteinizing hormone (LH), follicle stimulating hormone (FSH), and thyroid stimulating hormone (TSH) are dimers consisting of alpha and beta subunits that are associated noncovalently. The alpha subunits of these hormones are identical, however, their beta chains are unique and confer biological specificity. The protein encoded by this gene is the alpha subunit and belongs to the glycoprotein hormones alpha chain family. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]</p> <p>hCG beta: This gene is a member of the glycoprotein hormone beta chain family and encodes the beta 3 subunit of chorionic gonadotropin (CG). Glycoprotein hormones are heterodimers consisting of a common alpha subunit and an unique beta subunit which confers biological specificity. CG is produced by the trophoblastic cells of the placenta and stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy. The beta subunit of CG is encoded by 6 genes which are arranged in tandem and inverted pairs on chromosome 19q13.3 and contiguous with the luteinizing hormone beta subunit gene. [provided by RefSeq, Jul 2008]</p>
Function	hCG beta: Stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy. [UniProt]
Highlight	<p>Related products:</p> <p>hCG antibodies; hCG ELISA Kits; hCG Duos / Panels;</p> <p>New ELISA data calculation tool:</p> <p>Simplify the ELISA analysis by GainData</p>
Research Area	Cancer kit; Metabolism kit; Neuroscience kit; Signaling Transduction kit
Cellular Localization	hCG alpha and beta: Secreted. [UniProt]

Images



ARG80845 Human hCG ELISA Kit example of standard curve image

ARG80845 Human hCG ELISA Kit results of a typical standard run with optical density reading at 450 nm.