

ARG80785 Human hCG beta (free) ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	ARG80785 Human hCG beta (free) ELISA Kit is an enzyme immunoassay kit for the quantification of free beta subunit of human chorionic gonadotropin (free β -hCG) in serum and plasma (EDTA).
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	hCG beta (free)
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	0.2 ng/ml
Sample Type	Serum and plasma (EDTA).
Standard Range	10 - 200 ng/ml
Sample Volume	50 μ l
Alternate Names	hCGB; CGB5; CGB7; CGB3; Chorionic gonadotrophin chain beta; CGB8; CG-beta; Choriogonadotropin subunit beta

Application Instructions

Assay Time	30, 30 min (37°C), 20 min (RT)
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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

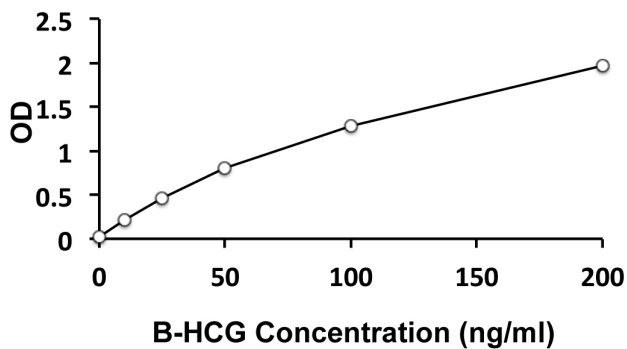
Database links	GeneID: 1082 Human Swiss-port # P01233 Human
Gene Symbol	CGB
Gene Full Name	chorionic gonadotropin, beta polypeptide
Background	Human Chorionic Gonadotropin (hCG) is a glycoprotein hormone normally produced by placenta during pregnancy. The hormone is present in blood and urine around seven to thirteen days following implantation of the fertilized ovum. Structurally intact hCG molecules consist of two non-covalently linked polypeptide subunits, the alpha and beta chain subunits. Measurement of intact hCG and of the alpha subunit of hCG appears to give similar results in blood and urine but not the levels of beta

subunit.

The measurement of free β -HCG in the first trimester of pregnancy has been reported as a useful marker in antenatal screening for Down Syndrome and other fetal aneuploidies. Increased free β -HCG values in combination with maternal age, the measurement of PAPP-A and the ultrasonic determination of nuchal translucency (NT) in pregnancy weeks 11 to 14 may detect up to 90 % of pregnancies with Down syndrom

Function	Stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy. [UniProt]
Highlight	Related products: hCG beta antibodies ; hCG beta ELISA Kits ; hCG beta Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Research Area	Cancer kit; Developmental Biology kit; Metabolism kit; Signaling Transduction kit
Cellular Localization	Secreted. [UniProt]

Images



ARG80785 Human hCG beta (free) ELISA Kit standard curve example image

The representative standard curve of ARG80785 Human hCG beta (free) ELISA Kit. The standard curve is for demonstration only and cannot be used in place of data generations at the time of assay. The standard curve should be generated each time the assay is performed.