Chorionic Gonadotropin Alpha Poly (CGalpha) ELISA Kit for Human

PRODUCT OVERVIEW

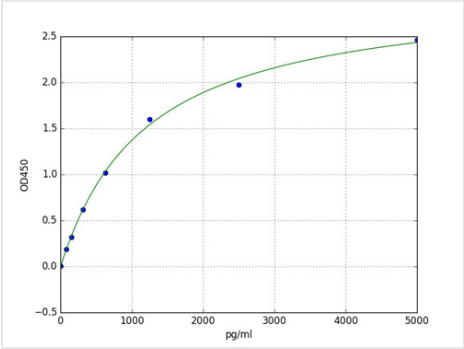
Product Name	Chorionic Gonadotropin Alpha Polypeptide (CGalpha), ELISA Kit
Full Product Name	Human Chorionic Gonadotropin Alpha Polypeptide ELISA Kit
Product Gene Name	CGalpha elisa kit
Product Synonym Gene Name	CGa
Product Synonym Names	CGalpha/alpha HCG/CGA/FSHA/GPHa1/LHA/TSHA/CGA glycoprotein hormones; alpha polypeptide/CG-ALPHA/FSHA/GPHa/HCG/LHA/TSHA; Chorionic Gonadotropin Alpha Polypeptide
Species Reactivity	Human
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for CGalpha elisa kit	Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human CGalpha antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human CGalpha antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human CGalpha amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human CGalpha can be calculated.
Other Notes	Small volumes of CGalpha elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CGalpha purchase	MBS763232 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Chorionic Gonadotropin Alpha Polypeptide (CGalpha) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CGalpha. The ELISA analytical biochemical technique of the MBS763232 kit is based on CGalpha antibody-CGalpha antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CGalpha antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CGalpha. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

Typical Data & Standard Curve

Results of a typical standard run of a Human CGα ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	78	156	312.5	625	1250	2500	5000
Y	OD450	0.004	0.175	0.340	0.685	0.939	1.579	1.978	2.203

Typical Testing Data of CGalpha elisa kit



Typical Standard Curve of CGalpha elisa kit

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/cgalpha-human-elisa-kits/chorionic-gonadotropin-alpha-polypeptide/763232