



# Anti-CGA monoclonal antibody, clone 34P (CABT-49220MH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	This product is specific for both free and bound chorionic gonadotrophin (CG). The following cross hLH5.8%hTSH5.6%hFSH2.6% reactivity has been observed: alpha hCG 100% intact hCG 2.0% beta hCG 0% Human CG is a 39.5 kDa protein, composed of one alpha and one beta subunit. It is secreted by placental syncytiotrophoblasts and stimulates the ovaries to produce steroids that are essential to pregnancy. Affinity $2 \times 10^{10}$
<b>Specificity</b>	hCG
<b>Immunogen</b>	Human chrionic gonadotrophin
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	34P
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	1 mg
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

# GENE INFORMATION

Gene Name	<a href="#">CGA glycoprotein hormones, alpha polypeptide [ Homo sapiens (human) ]</a>
Official Symbol	CGA
Synonyms	CGA; glycoprotein hormones, alpha polypeptide; HCG; LHA; FSHA; GPHa; TSHA; GPHA1; CG-ALPHA; glycoprotein hormones alpha chain; FSH-alpha; LSH-alpha; TSH-alpha; lutropin alpha chain; follitropin alpha chain; thyrotropin alpha chain; choriogonadotropin alph
Entrez Gene ID	<a href="#">1081</a>
Protein Refseq	<a href="#">NP_000726</a>
UniProt ID	P01215
Chromosome Location	6q12-q21
Pathway	Amine-derived hormones; Androgen biosynthesis; Autoimmune thyroid disease; Class A/1 (Rhodopsin-like receptors); Defective ACTH causes Obesity and Pro-opiomelanocortinin deficiency (POMCD); Disease; FSH signaling pathway; G alpha (s) signalling events;
Function	hormone activity; protein binding;