



Magic™ Anti-hCG alpha monoclonal antibody, clone N83729 (DCABY-4616)

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

PRODUCT INFORMATION

Antigen Description	hCG or Human Chorionic Gonadotrophin is used as a clinical marker of pregnancy using blood testing after 11 days or urine testing after 12 -14 days. It is produced upon egg fertilization by the syncytiotrophoblast and functions as nourishment for the egg.
Specificity	High affinity for the alpha subunit epitope 5 of human CG, TSH, LH, FSH and free alpha subunit
Immunogen	hCG alpha antibody was raised in mouse using human FSH as the immunogen
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	N83729
Purification	Purified using Protein A affinity chromatography
Conjugate	Unconjugated
Applications	ELISA Pr*, Immunoassays, RIA, WB Suggested pair for sandwich ELISA (Capture - Detection): DCABY-4453 - DCABY-4616
Format	Liquid
Size	250 µg
Buffer	Purified IgG supplied in PBS with added 0.09% NaN3
Preservative	0.09% Sodium Azide

Storage

Store for short period at 4 °C For longer term storage, aliquot and place at -20 °C Do not repeatedly freeze-thaw.

GENE INFORMATION

Gene Name	CGA glycoprotein hormones, alpha polypeptide [Homo sapiens]
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	1081
Protein Refseq	NP_000726
UniProt ID	P01215
Chromosome Location	6q12-q21
Pathway	Amine-derived hormones; Androgen biosynthesis; Autoimmune thyroid disease; Class A/1; FSH signaling pathway; G alpha signalling events; GPCR downstream signaling; GPCR ligand binding;
Function	hormone activity; protein binding;