



Anti-hCG alpha monoclonal antibody, clone B22 (DMABT-H3659MH)

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

PRODUCT INFORMATION

Product Overview	Mouse Anti-CGA Monoclonal Antibody
Antigen Description	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
Specificity	Human hCG, alpha subunit. Cross-reacts with the alpha subunits of hCG, LH, FSH, and TSH.
Target	CGA
Immunogen	Human Chorionic Gonadotropin, alpha subunit
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	B22
Purification	DEAE column chromatography
Conjugate	Unconjugated
Applications	ELISA, pr*
Format	Purified, Liquid

Concentration	6.3mg/ml (OD280nm)
Size	1 mg
Buffer	0.015M Potassium phosphate, pH 7.4, containing 0.85% Sodium chloride
Preservative	0.1% Sodium Azide
Storage	Store at 2-8 °C. DO NOT FREEZE. Precipitation may occur upon freezing.

GENE INFORMATION

Gene Name	CGA glycoprotein hormones, alpha polypeptide [Homo sapiens]
Official Symbol	CGA
Synonyms	CGA; glycoprotein hormones, alpha polypeptide; glycoprotein hormones alpha chain; chorionic gonadotropin; alpha polypeptide; follicle stimulating hormone alpha subunit; FSHA; GPHa; GPHA1; HCG; LHA; luteinizing hormone alpha chain; lutropin alpha chain; thyroid stimulating hormone alpha chain; TSHA; FSH-alpha; LSH-alpha; TSH-alpha; follitropin alpha chain; thyrotropin alpha chain; choriogonadotropin alpha chain; chorionic gonadotrophin subunit alpha; thyroid-stimulating hormone alpha chain; follicle-stimulating hormone alpha chain; chorionic gonadotropin, alpha polypeptide; follicle-stimulating hormone alpha subunit; anterior pituitary glycoprotein hormones common subunit alpha; CG-ALPHA;
Entrez Gene ID	1081
Protein Refseq	NP_000726
UniProt ID	P01215
Chromosome Location	6q14-q21
Pathway	Amine-derived hormones, organism-specific biosystem; Androgen biosynthesis, organism-specific biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem;
Function	hormone activity; protein binding;