

Product datasheet

anti-hCG-alpha mouse monoclonal, G6D12, purified

Short overview

Cat. No.	691688
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	G6D12
Immunogen	Purified hCG
Formulation	PBS with 0.02% sodium azide
UniprotID	P01215 (Human)
Synonym	Glycoprotein hormones alpha chain, Anterior pituitary glycoprotein hormones common subunit alpha, Choriogonadotropin alpha chain, Chorionic gonadotrophin subunit alpha, CG-alpha, Follicle-stimulating hormone alpha chain, FSH-alpha, Follitropin alpha chain, Luteinizing hormone alpha chain, LSH-alpha, Lutropin alpha chain, Thyroid-stimulating hormone alpha chain, TSH-alpha, Thyrotropin alpha chain, CGA
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	ELISA, IHC
Reactivity	Human

Applications

ELISA	Assay dependent
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:50-1:100 (1-2 µg/ml)

Background

G6D12 reacts with hCG alpha chain, which is identical among hCG, TSH, FSH and LH. While hCG is secreted in large quantities by normal trophoblasts, it is present only in trace amounts in non-pregnant urine and sera but rises sharply during pregnancy. Besides trophoblastic tumors e.g. choriocarcinoma, large cell carcinoma, adenocarcinoma and squamous cell carcinoma of the lung are also positive in 90%, 60% and 20% of cases respectively. hCG expression by non-trophoblastic tumors may indicate aggressive behavior.

Positive control: JAR or TT Cells. Placenta.

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Product images



Human placenta