

Mouse Anti-CGA antibody

SLM-2026M

Product Name	CGA
Chinese Name	人绒毛膜促性腺激素 α 亚基单抗
Alias	GLHA_HUMAN; Glycoprotein hormones alpha chain; Anterior pituitary glycoprotein hormones common subunit alpha; HCG; LHA; FSHA; GPA1; GPHa; TSHA; GPHA1; 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; glycoprotein hormones, alpha polypeptide; HCG alpha;
Research Area	Tumour immunology
Immunogen Species	Mouse
Clonality	Monoclonal
Clone NO.	4A8
React Species	Human, IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000 (Paraffin sections need antigen repair)
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	10kDa
Form	Liquid
Concentration	1mg/ml
immunogen	Natural human hCG protein
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M PBS(pH7.4) with 3% Proclin300
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

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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. [provided by RefSeq, Nov 2011]

Function:

Stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy.

Subunit:

Heterodimer of a common alpha chain and a unique beta chain which confers biological specificity to thyrotropin, lutropin, follitropin and gonadotropin.

Subcellular Location:

Product Detail Secreted.

Similarity:

Belongs to the glycoprotein hormones subunit alpha family.

SWISS:

P01215

Gene ID:

1081

Database links:

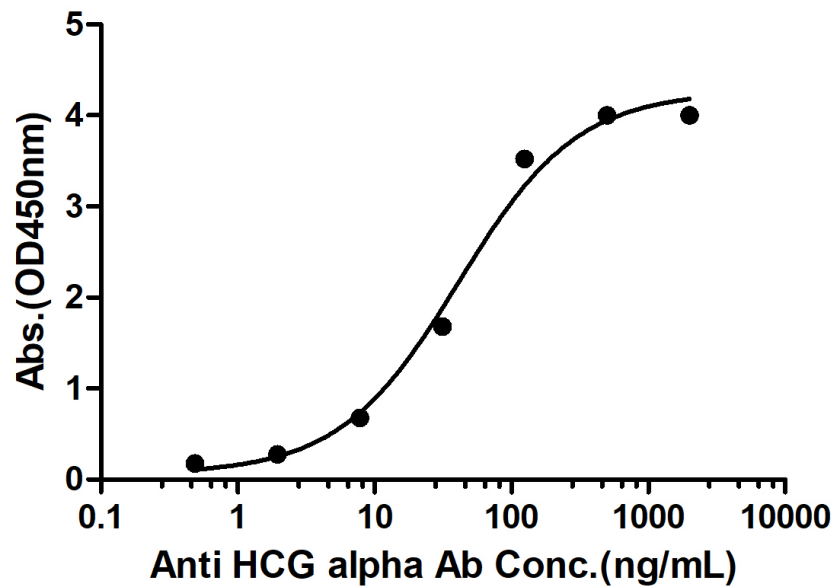
[Entrez Gene: 1081](#) Human

[SwissProt: P01215](#) Human

HCG 是由胎盘合体滋养层细胞产生的一种 glycoprotein 激素，主要用于胎盘滋养细胞和生殖细胞 Tumour 如葡萄胎、绒癌的辅助诊断。

Product Picture

Mouse Anti-Human HCG alpha Antibody Bind with Human HCG alpha protein, His Tag



Measured by its binding ability in a indirect ELISA. Immobilized Human HCG alpha protein, HisTag (Cat. SL43085P) at 2 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Mouse Anti-Human HCG alpha Antibody, the EC50 is 40.93 ng/mL.