

Product datasheet for **SM2127**

hCG (CGA) (alpha 3 epitope) Mouse Monoclonal Antibody [Clone ID: INN-hCG-5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	INN-hCG-5
Applications:	IHC, R
Recommended Dilution:	Immunohistochemistry on frozen and paraffin sections. Radioimmunoassay.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	hCG. Spleen cells of BALB/c mice fused with the mouse myeloma cell line P3 - NS1 - Ag4.1.
Specificity:	This antibody recognises an epitope on the alpha subunits of all glycoprotein hormones. Indirect Immunofluorescence analysis on paraffin sections of human pituitaries reveals clear staining of glycoprotein hormone producing cells. Reacts with human LH, FSH, TSH, and hCG.
Formulation:	State: Ascites State: Liquid Ascitic fluid containing 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glycoprotein hormones, alpha polypeptide
Database Link:	Entrez Gene 1081 Human P01215



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Background:

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.

Synonyms:

Follitropin alpha chain, Follicle-stimulating hormone alpha chain, FSH-alpha, Lutropin alpha chain, Luteinizing hormone alpha chain, LSH-alpha, LH alpha, Thyrotropin alpha chain, Thyroid-stimulating hormone alpha chain, TSH-alpha, Choriogonadotropin alpha chain, Chorionic gonadotrophin subunit alpha, hCG-alpha