



ANOGEN - A Division of YES Biotech Laboratories Ltd.

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Mouse Anti-hCG- α Monoclonal Antibody Datasheet

Product Name: mAb anti-hCG- α	Clone No.: CH5
Catalogue No.: MO-M40010A	Quantity: 0.5 mg/vial
Description: Mouse monoclonal antibody to human chorionic gonadotropin alpha subunit (hCG- α)	Background: Human chorionic gonadotropin (hCG) is a glycoprotein hormone produced by placenta after conception. hCG is comprised of an α subunit with 92 amino acids and a β subunit with 245 amino acids. The α subunit is identical to that of LH (Luteinizing hormone), FSH (Follicle stimulating hormone) and TSH (Thyroid stimulating hormone). hCG sustains corpus luteum, stimulates progesterone secretion, hence is critical to early fetal development. It has also been reported that hCG plays a role in the development of fetal tolerance to maternal immunity. hCG is the most sensitive biomarker for pregnancy.
Purification: Protein G affinity purified	
Product Type: Primary antibody	
Target Protein: hCG- α	
Immunogen: Purified human chorionic gonadotropin	
Fusion Myeloma: Sp2/0-Ag14	
Specificity: Reactive to hCG- α	
Species Reactivity: Human, others not tested	
Host / Isotype: Mouse, IgG1 Kappa	Applications: ELISA
Formulation: Lyophilized from a solution in 0.01M PBS, pH 7.2	Affinity purification of HCG
Reconstitution: Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.	Immuno-precipitation
Storage: Store at -20°C	References: If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.
Research Area: Hormone, pregnancy	

This product is for LABORATORY RESEARCH USE and further manufacture ONLY, and cannot be administered to human and animals for use in diagnostic and therapeutic procedures.

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