



RayBiotech, Inc.

3607 Parkway Lane suite 100
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet

Mouse Anti-Human Chorionic Gonadotropin, alpha subunit

Catalog No.
DS-MB-01423

Target Species
Human

Isotype
IgG1

Preparation

Preparation: Purified IgG prepared by affinity chromatography on Protein A.

Immunogen: Human chorionic gonadotrophin.

Specificity

DS-MB-01423 is specific for both free and bound chorionic gonadotrophin (CG). The following cross reactivity has been observed:

alpha hCG	100%
hLH	5.8%
hTSH	5.6%
hFSH	2.6%
intact hCG	2.0%
beta hCG	0%

Human CG is a 39.5 kDa protein, composed of one alpha and one beta subunit. It is secreted by placental syncytiotrophoblasts and stimulates the ovaries to produce steroids that are essential to pregnancy.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Preservatives & Stabilizers: 0.09% Sodium Azide (NaN_3)

Buffer Solution: Phosphate buffered saline

Approximate Protein Concentration: Ig concentration 1.0mg/ml

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of shipment.

Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	•			
IHC			•	
Immunoassays			•	
Western Blotting			•	
Immunofluorescence			•	

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

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