



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Human Placental Lactogen (Epitope 2) With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-02132

Target Species
Human

Isotype
IgG1

Preparation

Immunogen: Human placental lactogen (hPL)

Pure DA rat class 1 antigen

Fusion Partners: Spleen cells from immunised mice were fused with cells of the X63-Ag8.653 myeloma cell line.

Purified IgG prepared by affinity chromatography on Protein A

Specificity

Radioimmunological direct binding studies were performed with ¹²⁵I-labelled hPL, hGH, hPRL and increasing amounts of INN-hPL-37. In addition, competitive RIA with unlabelled hGH, hPRL and hPL were used for characterization. In competitive RIA cross reactivity with hGH and hPRL was below 1%. Direct binding demonstrated 39% reactivity with hGH but no cross reactivity with hPRL.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Storage

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

This product should be stored undiluted.

Storage in frost free freezers is not recommended. 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 dispatch.

References

1. Schwarz, S. *et al.* (1985) Epitope-selective, monoclonal-antibody-based immunoradiometric assays of predictable specificity for differential measurement of choriogonadotropin and its subunits. Clin Chem. 31: 1322-1328

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



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Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
IRMA	•			
Western Blotting			•	
Elisa			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined.

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5,000-1:10,000

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