



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Parathyroid Hormone RELATED Peptide With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-02097

Species
Human

Isotype
IgG2a

Preparation

Synonyms: PTHRP

Purification: Purified IgG prepared by affinity chromatography on Protein A

Immunogen: Synthetic peptide corresponding to the amino acids 93-107 of human PTHrP conjugated to Keyhole limpet Haemocyanin (KLH).

Peptide Sequence: K-P-G-K-R-K-E-Q-E-K-K-K-R-R-T

Specificity

DS-MB-02097 is specific for Parathyroid hormone related peptide (PTHrP). PTHrP is involved in the formation of mammary glands and teeth, and it regulates bone development. It shares the same N-terminal as Parathyroid hormone (PTH) which allows it to bind to Parathyroid Hormone Receptor 1 (PTHR1). This receptor is responsible for hypercalcemia, which is an increase of calcium in the blood.

Species Cross Reactivity: Based on sequence similarity, is expected to react with Bovine, Chimpanzee, Dog, Horse, Pig, Rabbit, Rhesus Monkey, Rat

* Antibody reactivity and working conditions may vary between species.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline, pH 7.2

Preservative Stabilizers: 0.09% Sodium Azide (NaN_3)

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

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 dispatch.

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



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Applications

Table Summary of antibody applications and working conditions

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

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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