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Datasheet for 000-001-M24

Human pTH 7-84

Overview

Description:	Parathyroid hormone (pTH) 7-84 Peptide - 000-001-M24
Item No.:	000-001-M24
Size:	0.5 mg

Product Details

Background:	Parathyroid hormone (pTH) is the most important endocrine regulator of Ca2+ and phosphorus concentration in the extracellular fluid. pTH is secreted from cells of the parathyroid glands and acts for the most part via the binding to specific G-protein coupled receptors on the surface of target cells in bone and kidney, utilizing the second messenger adenylate cyclase to regulate cAMP levels in cells. Like most other protein hormones, parathyroid hormone is synthesized as a preprohormone and is processed intracellularly. The mature hormone, 84 amino acids in length, is released from secretory vesicles into the blood. Biologic effects of large C-terminal parathyroid hormone (PTH) fragments, such as pTH 7-84, are thought to regulate PTH secretion via an autocrine/paracrine regulatory mechanism
Synonyms:	Parathyroid hormone, PTH, Parathormone, Parathyrin, control peptide, blocking peptide
Type:	Peptide

Target Details

Purity/Specificity:	Greater than 95% specific peptide.

Application Details

Application Note:	Parathyroid hormone (pTH) 7-84 Control Peptide is suitable for use in ELISA, Western Blot, Dot blot, PCA, and other assays. Control peptide should be used at 1.0 µg per 1.0 µl of antiserum in per assay. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by dry weight
Buffer:	None
Reconstitution Volume:	500 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 2 - 8 ° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

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