

# PTH monoclonal antibody (M03), clone 4D11

Catalog # H00005741-M03

Size 100 ug

## Specification

|                         |                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------|
| Product Description     | Mouse monoclonal antibody raised against a full-length recombinant PTH.                 |
| Immunogen               | PTH (NP_000306, 32 a.a.-115 a.a.) full-length recombinant protein.                      |
| Sequence                | SVSEIQLMHNLGKHLNSMERVEWLRKKLQDVHNFVALGAPLAPRDAGSQRPRKKEDNVLVESH<br>EKSLGEADKADVNVLTAKSQ |
| Host                    | Mouse                                                                                   |
| Reactivity              | Human                                                                                   |
| Isotype                 | IgG2a Kappa                                                                             |
| Quality Control Testing | Antibody Reactive Against Recombinant Protein.                                          |
| Storage Buffer          | In 1x PBS, pH 7.4                                                                       |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                |

## Applications

- ELISA

## Gene Info — PTH

|                     |                      |
|---------------------|----------------------|
| Entrez GeneID       | <a href="#">5741</a> |
| GeneBank Accession# | <a href="#">N/A</a>  |
| Protein Accession#  | -                    |
| Gene Name           | PTH                  |

|                    |                                                                                                                                                                                                                                                                                                            |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Alias         | PTH1                                                                                                                                                                                                                                                                                                       |
| Gene Description   | parathyroid hormone                                                                                                                                                                                                                                                                                        |
| Omim ID            | <a href="#">146200</a> <a href="#">168450</a>                                                                                                                                                                                                                                                              |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                  |
| Gene Summary       | The protein encoded by this gene is a hormone secreted by parathyroid cells. This hormone elevates blood Ca <sup>2+</sup> level by dissolving the salts in bone and preventing their renal excretion. Defects in this gene are a cause of familial isolated hypoparathyroidism (FIH). [provided by RefSeq] |
| Other Designations | parathormone parathyrin parathyroid hormone 1                                                                                                                                                                                                                                                              |

## Pathway

- [Neuroactive ligand-receptor interaction](#)

## Disease

- [Alzheimer disease](#)
- [Aortic Valve Stenosis](#)
- [Body Weight](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Hip Fractures](#)
- [Hyperparathyroidism](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)

- [Neoplasms](#)
- [Ossification of Posterior Longitudinal Ligament](#)
- [Osteonecrosis](#)
- [Osteoporosis](#)
- [Pulmonary Disease](#)
- [Spinal Osteophytosis](#)
- [Urinary Bladder Neoplasms](#)
- [Vitamin D Deficiency](#)
- [Werner syndrome](#)