

# Product Datasheet

## PTH Antibody (3H9 + PTH/1175) [Allophycocyanin/Cy7] NBP2-47731APCCY7

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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**NBP2-47731APCCY7**

PTH Antibody (3H9 + PTH/1175) [Allophycocyanin/Cy7]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark. Do not freeze.
Clonality	Monoclonal
Clone	3H9 + PTH/1175
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa/IgG2b Kappa
Conjugate	Allophycocyanin/Cy7
Purity	Protein A or G purified
Buffer	PBS

Product Description	
Host	Mouse
Gene ID	5741
Gene Symbol	PTH
Species	Human
Reactivity Notes	Predicted to react with Mouse. Rat. Rabbit. Bovine. Canine. Porcine. Deer. Orangutan.
Specificity/Sensitivity	Epitope of this monoclonal antibody maps in the C-terminus of PTH, a hormone produced by the parathyroid gland that regulates the concentration of calcium and phosphorus in extracellular fluid. This hormone elevates blood Ca <sup>2+</sup> levels by dissolving the salts in bone and preventing their renal excretion. It is produced in the parathyroid gland as an 84 amino acid single chain polypeptide. It can also be secreted as N-terminal truncated fragments or C-terminal fragments after intracellular degradation, as in case of hypercalcemia. Defects in this gene are a cause of familial isolated hypoparathyroidism (FIH); also called autosomal dominant hypoparathyroidism or autosomal dominant hypocalcemia. FIH is characterized by hypocalcemia and hyperphosphatemia due to inadequate secretion of parathyroid hormone. Symptoms are seizures, tetany and cramps. FIH exist both as autosomal dominant and recessive forms of hypoparathyroidism.
Immunogen	A synthetic peptide around aa 1-34 of human mature-PTH-polypeptide (exact sequence is proprietary) (3H9); A recombinant fragment around aa 32-115 of human mature PTH-polypeptide (exact sequence is proprietary) (Uniprot: P01270)

Product Application Details	
Applications	Flow Cytometry
Recommended Dilutions	Flow Cytometry
Application Notes	Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure to light or extreme temperature fluctuations. These can lead to irreversible degradation or decoupling. When staining intracellular targets, specific attention to the fixation and permeabilization steps in your flow protocol may be required. Please contact our technical support team at <a href="mailto:technical@novusbio.com">technical@novusbio.com</a> if you have any questions.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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