

Product Datasheet

PTH Antibody (SPM604) [PE/Cy7] NBP2-54434PECY7

Unit Size: 0.1 ml

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

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NBP2-54434PECY7

PTH Antibody (SPM604) [PE/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	SPM604
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Conjugate	PE/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 N-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 ²⁺ 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) (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 technical@novusbio.com 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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