

Rev01
Update: Sep,02,2025

DATASHEET

PCT (PE21), mAb, Mouse

Cat. No.: V01807

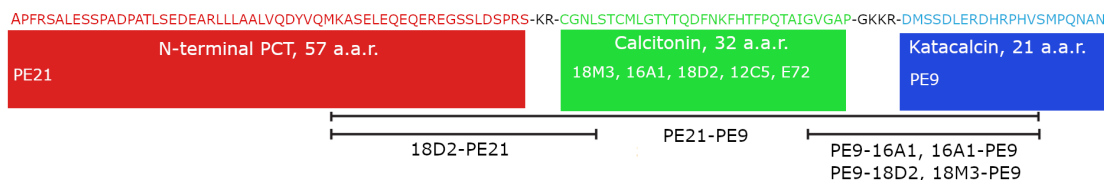
Overview

| | |
|--------------------------|--|
| Specificity | All clones recognize human PCT |
| Recommended Pairs | CLIA (Capture-Detection): E72 - 16A1 18D2 - 16A1 18M3-16A1 TRFIA (Capture-Detection): 16A1 - 12C5 E72 - 16A1 |
| Clone ID | PE21 |
| Epitope | 20-45 within PCT protein |
| Isotype | IgG2a for MAb PE21 |
| Subclass | IgG2a |
| Host Species | Mouse |
| Antigen Species | Human |

Properties

| | |
|----------------------|---|
| Conjugation | Unconjugated |
| Production | Cultured in vitro under conditions free from animal-derived components |
| Purification | Protein A/G affinity column |
| Concentration | ≥ 2mg/ml |
| Formulation | 50 mM Na-citrate, 150 mM NaCl, pH 7.0, containing 0.03% ProClin 300. |
| Storage | For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles. |
| Note | GenScript can customize this product per customer's request including product size, buffer components, etc. |

Applications



| Platform | Capture | Detection | Pattern |
|----------|---------|-----------|---------|
| CLIA | 18D2 | PE21 | N-C |
| | PE21 | PE9 | N-K |
| | PE9 | 16A1 | C-K |
| | 16A1 | PE9 | C-K |
| | PE9 | 18D2 | C-K |
| | 18M3 | PE9 | C-K |
| | PE9 | 12C5 | C-K |
| | E72 | 16A1 | C-C |
| | 18D2 | 16A1 | C-C |
| | 18M3 | 16A1 | C-C |
| TRFIA | 16A1 | 12C5 | C-C |
| | E72 | 16A1 | C-C |

Note: N means N-terminal PCT, C means calcitonin, and K means katalcalcin Pattern N-C means that in PCT antibody pair, one mAb recognizes N-terminal PCT, another mAb recognizes calcitonin.

Background

Target Background : PCT is a 116 amino acid (aa) protein. It is comprised of three sections of a 57 aa N-terminal PCT, a 32 aa calcitonin and a 21 aa katalcalcin. Calcitonin is a hormone, derived from PCT cleavage. PCT is a good diagnosis marker for bacterial infection. Other diseases such as sepsis, inflammation, surgery, heat shock, burn injuries and cardiogenic shock can also cause an increase of PCT level in blood.

Synonyms : Procalcitonin (PCT) Antibody (PE21), mAb, Mouse

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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