

Rev02
 Update: Aug,31,2026

DATASHEET

PCT (18M3), mAb, Mouse

Cat. No.: V01805

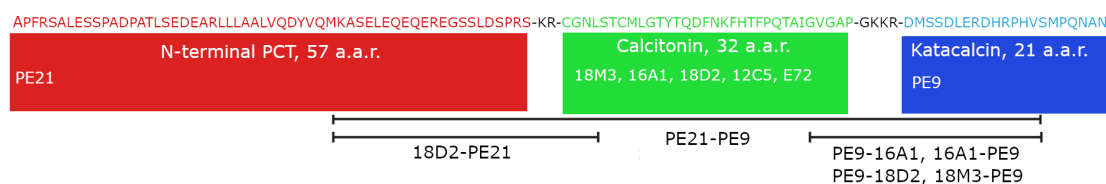
Overview

Specificity	All clones recognize human PCT
Recommended Pairs	CLIA (Capture-Detection): E72 - 16A1 18D2 - 16A1 18M3-16A1 TRFIA (Capture-Detection): 16A1 - 12C5 E72 - 16A1CLIA (Capture-Detection): E72 - 16A1 18D2 - 16A1 18M3-16A1 TRFIA (Capture-Detection): 16A1 - 12C5 E72 - 16A1
Clone ID	18M3
Isotype	IgG2b for MAbs 18M3
Subclass	IgG2b
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 katacalcin 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 katacalcine. 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 (18M3), mAb, Mouse

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