Datasheet

Blood coagulation and Anemia • Bone Metabolism • Cardiac Markers • Fertility and Pregnancy Gangliosides • Hormone Markers • Immunology and Serology • Infectious Diseases • Inflammation Kidney Diseases • Metabolic Syndrome • Microbial and Plant Toxins • Miscellaneous • Neuroscience Thyroid Diseases • Tumor Markers • Veterinary

CATALOGUE #: 4PC47

PRODUCT NAME: Monoclonal anti-human procalcitonin (PCT)

Recombinant MAbs:	P223 Recombinant chimeric antibody expressed in a mammalian cell line. Composed of original wild type variable domains of mouse derived MAb and human IgG1 constant domains.					
MAbs <i>in vitro</i> :	27A3cc, 42cc, 14C12cc, P123, P124, P135, P160 Mouse monoclonal antibody produced in bioreactor. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.					
	P413 Rat monoclonal antibody produced in bioreactor. Heterohybdridoma clone cell line derived from hybridization of Sp2/0 myeloma cells and spleen cells of rat.					erived from
MAbs <i>in vivo</i> :	44D9, 6F10, 38F11, 22A11, 18B7 Mouse monoclonal antibody produced in ascites. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.					
Immunogens:	Fragments of human PCT conjugated with carrier protein for 27A3cc, 42cc, 14C12cc, 44D9, 6F10, 38F11, 22A11, 18B7					
	Recombinant human PCT for P123, P124, P135, P160, P223, P413					
Specificity:	Epitope specificity:					
opecificity.						
	MAb P123, P124, P135, P223		a.a.r. of PCT			
			11 - 25			
	6F10, 27A3cc, 38F11, 42cc		21 - 40			
	22A11, P413		96 - 105			
	P160		102 - 108			
	14C12cc, 18B7		102 - 111			
	Human PCT for 44D9, a.a.r. not determined.					
MAb isotypes:	laG1 for 6E1	0 38E11 22A11 1	4C12cc 18B7 F	2123 P124 P160	P223	
MAD ISOLYPES.	IgG1 for 6F10, 38F11, 22A11, 14C12cc, 18B7, P123, P124, P160, P223 IgG2a for 27A3cc, 42cc, 44D9, P135, P413					
	1992a 101 27	A300, 4200, 44D9, 1	- 133, F413			
Applications:	Detection of human PCT in immunoassays.					
	Recommended pairs for:					
	Sandwich immunoassay:		CLIA:		Lateral flow:	
	Capture	Detection	Capture	Detection	Capture	Detection
	16B5cc	42cc	P124	P138	RC16B5	P123
	27A3cc	14A2cc	P139	P135		
	14C12cc	14A2cc	P123	P138		
	18B7	44D9				
	38F11	22A11				
	(Note: P138.	P139, 16B5cc, RC	16B5 and 14A2c	c are under Cat.#	4C10cc)	

27A3cc, 42cc, 14C12cc, 44D9, 6F10, 38F11, 22A11, 18B7 are working in Western blotting.

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CATALOGUE #: 4PC47

PRODUCT NAME: Monoclonal anti-human procalcitonin (PCT)

Purification:	Protein A chromatography for 27A3cc, 42cc, 14C12cc, P123, P124, P135, P160, P223, 44D9, 6F10, 38F11, 22A11, 18B7
	Protein G chromatography for P413
Presentation:	PBS, pH 7.4, 0.09 % sodium azide (NaN₃) for 27A3cc, 42cc, 14C12cc, P123, P124, P135, P160, 44D9, 6F10, 38F11, 22A11, 18B7
	50 mM sodium citrate, 150 mM NaCl, pH 6.0, 0.09% sodium azide (NaN $_3$) for P223, P413
Storage:	+4 °C (+2 +8 °C allowed)
Other information:	Please see also antibodies specific to calcitonin under Cat.# 4C10cc and 4C10
Material safety note:	This product is sold for research or further manufacturing use only . Standard Laboratory Practices should be followed when handling this material.
	Product contains sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.

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