

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 *in vitro*:

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. Heterohybridoma clone cell line derived from hybridization of Sp2/0 myeloma cells and spleen cells of rat.

MAbs *in vivo*:

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:

MAb	a.a.r. of PCT
P123, P124, P135, P223	11 - 25
6F10, 27A3cc, 38F11, 42cc	21 - 40
22A11, P413	96 - 105
P160	102 - 108
14C12cc, 18B7	102 - 111

MAb isotypes:

IgG1 for 6F10, 38F11, 22A11, 14C12cc, 18B7, P123, P124, P160, P223

IgG2a for 27A3cc, 42cc, 44D9, P135, P413

Applications:

Detection of human PCT in immunoassays.

Recommended pairs for:

Sandwich immunoassay:

Capture	Detection
16B5cc	42cc
27A3cc	14A2cc
14C12cc	14A2cc
18B7	44D9
38F11	22A11

CLIA:

Capture	Detection
P124	P138
P139	P135
P123	P138

Lateral flow:

Capture	Detection
RC16B5	P123

(Note: MAbs P138, P139, 16B5cc, RC16B5 and 14A2cc are under Cat.# 4C10cc)

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

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Purification:	Protein A chromatography for 27A3cc, 42cc, 14C12cc, P123, P124, P135, P160, 44D9, 6F10, 38F11, 22A11, 18B7 Protein G chromatography for P413
Presentation:	PBS, pH 7.4, 0.09 % sodium azide (NaN ₃) 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.