



DataSheet

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 MAbs 6F10, 38F11, 22A11, 14C12cc, 18B7, P123, P124, P160, P223
IgG2a for MAbs 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

Recommended pairs for CLIA:

Capture	Detection
P124	P138
P139	P135
P123	P138

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Recommended pair for Lateral flow:

Capture	Detection
RC16B5	P123

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

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

Purification: Protein A chromatography for 27A3cc, 42cc, 14C12cc, P123, P124, P135, P160, P413, 44D9, 6F10, 38F11, 22A11, 18B7

Protein G chromatography for P413

Presentation: PBS, pH 7.4, 0.09 % sodium azide (NaN₃) for P223, 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 (NaN₃) for P223

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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