DataSheet

CATALOGUE #: **4C10 / 4C10cc**

PRODUCT NAME: **Monoclonal anti-human calcitonin**

Recombinant MAbs (Cat.# 4C10cc): RC16B5

MAbs *in vitro* (Cat.# 4C10cc): 13G11cc, 14A2cc, 16B5cc, 24B2cc, P138, P139, P141

MAbs *in vivo* (Cat.# 4C10): 13B9, 13F2

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 (RC16B5).

Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with calcitonin conjugated with carrier protein (13G11cc, 14A2cc, 16B5cc, 24B2cc, 13B9, 13F2) or recombinant human procalcitonin (P138, P139, P141).

Specificity: **Epitope specificity:**

MAb	a.a.r. of PCT
13B9	60 - 69
13F2, 13G11cc, 14A2cc, 16B5cc, 24B2cc, P138, P139, P141, RC16B5	72 - 81

MAb isotypes: **IgG1** for 24B2cc, 13F2, 13G11cc, 14A2cc, P138, P139, P141, RC16B5

IgG2a for 13B9

IgG2b for 16B5cc

Applications: Detection of human calcitonin in immunoassays. Recommended pairs for sandwich immunoassay:

Capture	Detection
13B9	13F2
24B2cc	13B9

MAbs 13G11cc, 14A2cc, 16B5cc, 24B2cc and 13F2 can be used for procalcitonin detection in Western blotting after SDS-electrophoresis in reducing conditions

Purification: Protein A chromatography

Presentation: PBS, pH 7.4, 0.09 % sodium azide (NaN_3) for 13G11cc, 14A2cc, 16B5cc, 24B2cc, P138, P139, P141, 13B9, 13F2

50 mM sodium citrate, 150 mM NaCl, pH 6.0, 0.09 % sodium azide (NaN3) for RC16B5

Storage: +4 °C (+2 … +8 °C allowed)

Other information: Please see also antibodies specific to other parts of procalcitonin under **Cat.# 4PC47**

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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