

CATALOGUE #: 4C10 / 4C10cc

PRODUCT NAME: Monoclonal anti-human calcitonin

Recombinant MAbs (Cat.# 4C10cc): **RC16B5**
 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* (Cat.# 4C10cc): **13G11cc, 14A2cc, 16B5cc, 24B2cc, P138, P139, P141**
 Mouse monoclonal antibody produced in bioreactor. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

MAbs *in vivo* (Cat.# 4C10): **13B9, 13F2**
 Mouse monoclonal antibody produced in ascites. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

Immunogens: Recombinant human procalcitonin for P138, P139, P141
 Calcitonin conjugated with carrier protein for 13G11cc, 14A2cc, 16B5cc, RC16B5, 24B2cc, 13B9, 13F2

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 (NaN₃) 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.