

CATALOGUE #: 2I3

PRODUCT NAME: Monoclonal mouse anti-rat C-peptide

MAbs *in vivo*:

CII-11, CII-29, CII-55, CC27, CC34

Mouse monoclonal antibody produced in ascites. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

Immunogen:

Fragments of rat C-peptides I and II conjugated with the carrier protein

Specificity:

MAbs	rat c-peptide I	rat c-peptide II	mouse c-peptide I	mouse c-peptide II	rat proinsulin
CII-11, CII-29	+++	+++	+++	+++	+
CII-55	+++	+++	+++	+++	++
CC27, CC34	+++	+++	+++	+	-

MAb isotypes:

IgG1 for CII-11, CII-29, CII-55, CC27, CC34

Applications:

All MAbs recognize rat C-peptide in ELISA and Sandwich type immunoassay.

MAbs can be used for separate or consistent detection of rat C-peptide isoforms (rat C-peptide I and/or rat C-peptide II) in biological samples.

For sandwich immunoassay the general recommendation is to use combinations of MAbs named as "CC" (MAbs specific to C-terminal part of rat C-peptide) and MAbs named as "CII" (MAbs specific to N-terminal part of rat C-peptide). The most sensitive pairs recommended for sandwich-type rat C-peptide immunoassays are (capture-detection):

rat C-peptides I and II immunodetection
CC34 – CII-11
CC27 – CII-29

Purification:

Protein A chromatography

Presentation:

PBS, pH 7.4, 0.09 % sodium azide (NaN₃)

Storage:

+4 °C (+2 ... +8 °C allowed)

**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.