



DataSheet

CATALOGUE #: 213

PRODUCT NAME: Monoclonal mouse anti-rat C-peptide

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

Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with 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 MAbs 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 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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