## Datasheet

Blood coagulation and Anemia • Bone Metabolism • Cardiac Markers • Fertility and Pregnancy Gangliosides • Hormone Markers • Immunology and Serology • Infectious Diseases • Inflammation Kidney Diseases • Metabolic Syndrome • Microbial and Plant Toxins • Miscellaneous • Neuroscience Thyroid Diseases • Tumor Markers • Veterinary

CATALOGUE #: 213

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 l	rat c-peptide II	mouse c-peptide l	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			

SCIENTIFIC EXCELLENCE FOR IVD

**Purification:** Protein A chromatography

**Presentation:** PBS, pH 7.4, 0.09 % sodium azide (NaN<sub>3</sub>)

**Storage:** +4 °C (+2 ... +8 °C allowed)

Material 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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