



Meridian

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Innovative Solutions. Trusted Partner.®

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SPECIFICATION SHEET

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: E01247M **Lot #:** 7L34111

Description: MAb to Rat C-peptide I & II
Monoclonal Antibody to Rat C-peptide I & II, C-terminal

Specificity: Recognizes C-terminal of rat C-peptide I and II. Cross reacts with mouse C-peptide I. Weak crossreactivity with mouse C-peptide II. Does not crossreact with rat proinsulin.

Clone: B178M

Host Animal: Mouse. Hybridization of Sp2/0 myeloma cells with spleen cells from Balb/c mice. **Isotype:** IgG₁

Source: Ascites

Immunogen: Synthetic peptide fragments of rat C-peptides I and II conjugated with a carrier protein

Format: Purified, Liquid

Purification: >90% pure (SDS-PAGE). Protein A chromatography

Concentration: 6.7 mg/mL (Sigma protein assay kit)

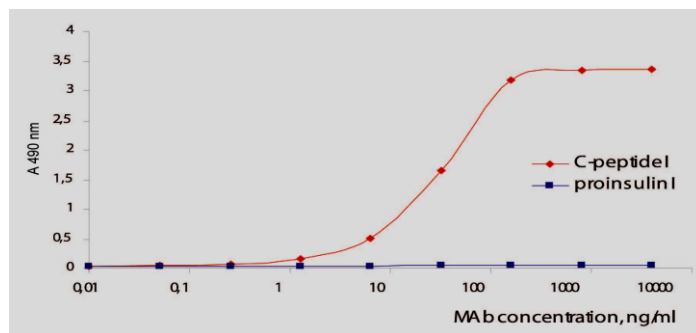
Affinity Constant: Not determined

Buffer: PBS, pH 7.4

Preservative: 0.1% Sodium azide

Applications: Suitable for use in ELISA and Sandwich type immunoassay. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.



Antigens:
rat C-peptide I: 0.01ug/well
rat proinsulin I: 0.04ug/well

Recommended antibody pairs for immunoassay. Crossreactivity of the recommended pairs with native rat proinsulin is <0.1%.

To detect Rat C-peptide I & II:

<u>Capture</u>	<u>Detection</u>
E01247M	E01237M

To detect Rat C-peptide I:

<u>Capture</u>	<u>Detection</u>
E01247M	E86061M
E01247M	E01241M

To detect Rat C-peptide II:

<u>Capture</u>	<u>Detection</u>
E01247M	E01242M
E01247M	E01243M

Storage:

Store at 2-8°C.

Warning:

This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1 – 1.0 %. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

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