CATALOGUE #: **2I1**

PRODUCT NAME: **Monoclonal mouse anti-human insulin**

Recombinant MAbs:

RC3A6, RC8E2
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*:

D4B8cc
Mouse monoclonal antibody produced in bioreactor. Hybridoma clone derived from hybridization of X63-Ag8-653 myeloma cells with spleen cells of Balb/c mice.

MAbs *in vivo*:

C7C9, 7F8
Mouse monoclonal antibody produced in ascites. Hybridoma clone derived from hybridization of X63-Ag8-653 myeloma cells with spleen cells of Balb/c mice.

Immunogen:

Purified human insulin

Specificity:

Insulin, human. Cross-reacts with human proinsulin, bovine insulin (30%) and porcine insulin.

MAbs are not cross-reacting with free C-peptide.

MAb isotypes:

IgG1 for RC3A6, RC8E2, D4B8cc, C7C9, 7F8

Applications:

Recommended pairs for sandwich immunoassay:

Capture	Detection
RC3A6	RC8E2
7F8	D4B8cc

D4B8cc can be used in immunohistochemistry on frozen sections.

Purification:

Protein A chromatography

Presentation:

PBS, pH 7.4, 0.09 % sodium azide (NaN_3) for D4B8cc, C7C9, 7F8

50 mM sodium citrate, 150 mM NaCl, pH 6.0, 0.09 % sodium azide (NaN3) for RC3A6, RC8E2

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.

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