

# Certificate of Analysis

# TAKARA

**Product name/Description:** Anti-Mouse Insulin C, Monoclonal (Clone M-Ins 1J-4)

**Cat. #:** M233

**Lot #:** AK101

**Storage Condition:** 4 degrees C

**Shipping Condition:** 4 degrees C

**Expiration Date:** 2 years from date of receipt under proper storage conditions

**Package Size:** 0.1 mg

**Package Contents:** 1. Anti-Mouse Insulin C, Monoclonal (Clone M-Ins 1J-4) 0.1 mg rat Ig

**Product Documents:** Documents for Takara Bio products are available for download at [www.takara-bio.com](http://www.takara-bio.com)

**Source:** Antibody:  
Monoclonal antibody was obtained by fusing the mouse myeloma cell line P3U1 with spleen cells of SD rat after immunization with KLH-conjugated peptide from mouse insulin C-peptide sequence (71 - 84) [SPGDLQTLALEVAR].

Bovine Serum Albumin (BSA):  
Manufactured from the plasma of animals of 100% Australian origin that have undergone veterinary ante- and post-mortem inspection.

## Quality Control Data:

**Quality Control:**  
The lyophilized antibody was dissolved in 50 µl of dH<sub>2</sub>O. The antibody dilutions were applied for ELISA assay by colorimetric detection using a microtiter plate immobilized with mouse insulin C-peptide sequence (71 - 84) [SPGDLQTLALEVAR]. The expected antibody titration was obtained.

**Manufacturing Control:**  
**Purification:**  
Antibody was purified by column chromatography, dissolved in 10 mM PBS, pH7.4, containing 1.0% bovine serum albumin, and then lyophilized.  
The lyophilized antibody does not contain preservative.

**BSA treatment:**  
Process performed to inactivate pathogenic viral agents: The BSA was manufactured using temperatures in excess of 65°C and pHs <5.0.

It is certified that this product meets above specifications.

Manager, Quality Assurance  
TAKARA BIO INC.

**Safety Information :**

Please refer to our website for safety information :  
<http://www.takara-bio.com>

**Notice To Purchaser :**

This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals. Also, do not use this product as food, cosmetic, or household item, etc.

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<http://www.takara-bio.com>

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