Takara Bio Inc.
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Shiga 520-2193, Japan
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Certificate of Analysis

Product name/description :

Anti-Mouse Insulin C, Polyclonal

Code No : **M178**
Lot No : **002FDFZ**
Storage Condition : **4 degrees C ***
Expiration Date : **November 2011**
Size : 0.1 mg guinea pig Ig
*** : Shipping at below RT**
Country of origin : Japan

Source :

Antibody :
Guinea Pig polyclonal antibody raised against the peptide (71 - 84) [SPGDLQTLALEVAR] of mouse insulin conjugated with KLH.

Bovine Serum Albumin (BSA) :
The BSA was derived from bovine serum or plasma from US sourced cattle slaughtered at a USDA license establishment located in the US. The animal used was under 30 months of age that were not stunned using a penetrating device that injects air into the cranial cavity. All cattle received ante- and post mortem health inspections under a veterinarian's supervision at the abattoir and were apparently free from infections and contagious diseases and injurious parasites. At the time of manufacture of this lot of material, the US is classified as a country that is free from rinderpest, foot-and-mouth disease and contiguous bovine pleuropneumonia.

Quality Control :

The lyophilized antibody was dissolved in 50 µl of dH_2O. The antibody dilutions were applied for ELISA assay by colorimetric detection using a microtiter plate immobilized with mouse insulin C peptide. The expected antibody titeration was obtained.

Manufacturing Control :

Purification : Guinea Pig serum lgG was purified by affinity 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 : The BSA product has been subjected to an initial heat shock of bovine serum or plasma at 65 degrees C for 3 hours at pH around 5. The albumin is stabilized with caprylic acid. The harvested albumin is contacted with cold-solvent and recovered as a precipitate and further purified. The purified albumin is again stabilized with caprylate and heated just under 60 degrees C for 4 hours. This step is used to minimize the presence of proteolytic enzymes.

The above manufacturing processes contributed to the reduction of TSE or other infectious agents.

It is certified that this product meets above specifications.

Approved By:

Yoshiko Kubota
Manager, Quality Assurance
TAKARA BIO INC.

Safety Information :

Please refer to our website (*) for safety information :
(*)Japanese customers : http://www.takara-bio.co.jp
Other country's customers : http://www.takara-bio.us

Notice To Purchaser :

This product is intended to be used for research purpose only. They are not to be used for drug or diagnostic purposes, nor are they intended for human use. They shall not to be used products as food, cosmetics, or utensils, etc.
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