

Certificate of Analysis

Product name/description :

Anti-Human Osteocalcin, Monoclonal (Clone 5-12H)

Code No : M184

Size : 0.1 mg mouse Ig

Lot No : 003FDFZ

Storage Condition : 4 degrees C *

Expiration Date : July 2012

*** : Shipping at below RT**

Country of origin : Japan

Source :

Antibody :

Monoclonal antibody was produced from the established hybridoma obtained by fusing the mouse myeloma cell line P3U1 with spleen cells of C57BL6 mouse after immunization with KLH-conjugated peptide from human osteocalcin (amino acids 1-6 ; YLYQWL). The monoclonal antibody was harvested from ascitic fluid of scid mouse.

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 dH₂O. The antibody dilutions were applied for ELISA assay by colorimetric detection using a microtiter plate immobilized with human sythetic osteocalcin peptide-BSA conjugate. The expected antibody titeration 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 : 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.

Takara products may not be resold or transferred, modified for resale or transfer, or used to manufacture commercial products without written approval from TAKARA BIO INC.

If you require licenses for other use, please call at +81 77 543 7247 or contact from our website.

(*)Japanese customers : <http://www.takara-bio.co.jp>

Other country's customers : <http://www.takara-bio.com> or <http://www.takara-bio.us>