

# Certificate of analysis

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**Product Name/Description:** Anti-Mouse Osteocalcin, Monoclonal (Clone R21C-01A)  
**Cat. #:** M188  
**Lot #:** Specified on product label  
**Storage Conditions:** 4 degrees C  
**Expiration Date:** 2 years from date of receipt under proper storage condition

**Package Size:** 0.1 mg

**Package Contents:** 1. Anti-Mouse Osteocalcin, Monoclonal 0.1 mg  
(Clone R21C-01A)

**Note:** This product contains bovine serum albumin (BSA). For more information, contact your local office.

**Source:** Antibody:  
Monoclonal antibody was produced from the established hybridoma obtained by fusing the mouse myeloma cell line P3U1 with spleen cells of SD rat after immunization with KLH-conjugate peptide from mouse osteocalcin (amino acids 25-46: CDELSDQYGLKTAYKRIYGITI). The monoclonal antibody was harvested from ascitic fluid of scid mouse.

**Quality Control Data:**

The lyophilized antibody was dissolved in 50 µl of specified water. The antibody dilutions were applied for ELISA assay by colorimetric detection using a microtiter plate immobilized with mouse osteocalcin peptide. The expected antibody titration was obtained.

**Manufacturing Control:**

**Purification:**

Antibody was purified by column chromatography, dissolved in 10 mM PBS, pH 7.4, containing 1.0% bovine serum albumin, and then lyophilized.

The lyophilized antibody does not contain preservative.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department of Takara Bio Inc.

**Notice To Purchaser:**

Please refer to the website.

**Product Documents, Patent Markings, Trademarks, & Safety Information:**

Refer to website for availability to download or contact your local office:  
[www.takara-bio.co.jp](http://www.takara-bio.co.jp) (Japanese)  
[www.takarabio.com](http://www.takarabio.com) (English)

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