

Datasheet: 0400-0039

BATCH NUMBER 155085

| | |
|----------------------|------------------------------|
| Description: | MOUSE ANTI HUMAN OSTEOCALCIN |
| Specificity: | OSTEOCALCIN |
| Other names: | BONE GLA PROTEIN |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | 6F9G4E10 |
| Isotype: | IgG1 |
| Quantity: | 0.2 mg |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|-------|-----|----|----------------|--------------------|
| ELISA | ▪ | | | |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

| | |
|---------------------------------|---|
| Target Species | Human |
| Species Cross Reactivity | Does not react with: Bovine, Mouse, Rat |
| Product Form | Purified IgG - liquid |
| Preparation | Purified IgG prepared by affinity chromatography on Protein A |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) |
| Carrier Free | Yes |

| | |
|---------------------------------------|--|
| Approx. Protein Concentrations | 1.0 mg/ml |
| Immunogen | Recombinant human osteocalcin GST fusion protein. |
| External Database Links | <p>UniProt: P02818 Related reagents</p> <p>Entrez Gene: 632 BGLAP Related reagents</p> |
| RRID | AB_617358 |
| Specificity | <p>Mouse anti Human Osteocalcin antibody, clone 6F9G4E10 recognizes intact human osteocalcin in a 2 site assay and reacts with osteocalcin fragments corresponding to amino acids 1-19, 7-19 and 15-31 of the native molecule. It does not recognize fragments representing amino acids 20-42 or intact bovine osteocalcin.</p> <p>Osteocalcin (Bone Gla Protein) is a 49 amino acid ~5.8 kDa single chain vitamin K dependent protein, made by osteoblasts and major component of the non-collagenous bone matrix. Serum osteocalcin is elevated in diseases characterized by increased bone turnover such as osteoporosis, hyperparathyroidism and Paget's disease, and low in conditions associated with low bone turnover such as hypoparathyroidism and growth hormone deficiency.</p> |
| References | <ol style="list-style-type: none"> Gindraux, F. (2010) Industrial approach in developing an advanced therapy product for bone repair. J Tissue Eng Regen Med. 4: 194-204. Hellman, J. <i>et al.</i> (2004) Isolated osteocalcin fragments US Patent Application: US20040259167A1 |
| Storage | <p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p> |
| Guarantee | 12 months from date of despatch |
| Health And Safety Information | <p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/0400-0039 10040</p> |
| Regulatory | For research purposes only |

Related Products

[Recommended Secondary Antibodies](#)

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
 Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)
 Goat Anti Mouse IgG (STAR76...) [RPE](#)
 Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
 Goat Anti Mouse IgG (STAR70...) [FITC](#)
 Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)
 Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
 Goat Anti Mouse IgG (STAR77...) [HRP](#)
 Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

| | | | | | |
|----------------------------------|---|------------------|---|---------------|---|
| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com | Worldwide | Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com |
|----------------------------------|---|------------------|---|---------------|---|

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
 'M362831:200528'

Printed on 18 Jan 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)