

# Product Datasheet

## Osteocalcin Antibody (6F9G4E10) [Alexa Fluor® 594] NB100-62804AF594

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NB100-62804AF594**

Osteocalcin Antibody (6F9G4E10) [Alexa Fluor® 594]

| <b>Product Information</b>     |  |
|--------------------------------|--|
| <b>Unit Size</b>               | 0.1 ml   |
| <b>Concentration</b>           | Please see the vial label for concentration. If unlisted please contact technical services.  |
| <b>Storage</b>                 | Store at 4C in the dark.   |
| <b>Clonality</b>               | Monoclonal   |
| <b>Clone</b>                   | 6F9G4E10   |
| <b>Preservative</b>            | 0.05% Sodium Azide   |
| <b>Isotype</b>                 | IgG1   |
| <b>Conjugate</b>               | Alexa Fluor 594  |
| <b>Purity</b>                  | Protein A or G purified  |
| <b>Buffer</b>                  | 50mM Sodium Borate   |
| <b>Product Description</b>     |  |
| <b>Host</b>                    | Mouse  |
| <b>Gene ID</b>                 | 632  |
| <b>Gene Symbol</b>             | BGLAP  |
| <b>Species</b>                 | Human  |
| <b>Reactivity Notes</b>        | Does not react with: Bovine, Mouse, Rat.   |
| <b>Specificity/Sensitivity</b> | <p>This product 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 single chain vitamin K dependent protein (MW 5.8 kDa), made by osteoblasts that is a 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> |
| <b>Immunogen</b>               | Recombinant human osteocalcin protein  |

|              |  |
|--------------|--|
| <b>Notes</b> | <p>Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@lifetech.com">outlicensing@lifetech.com</a>. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.</p> |
|--------------|--|

| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | ELISA  |
| <b>Recommended Dilutions</b>       | ELISA  |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined. |



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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