

# Product Datasheet

## Osteocalcin Antibody (8H12F9H10) [Alexa Fluor® 405] NB100-62805AF405

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NB100-62805AF405**

Osteocalcin Antibody (8H12F9H10) [Alexa Fluor® 405]

<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>	8H12F9H10
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Conjugate</b>	Alexa Fluor 405
<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, Mouse (Negative)
<b>Reactivity Notes</b>	Reacts with: Rabbit, Rat, Pig, Bovine. Does not react with: Mouse
<b>Specificity/Sensitivity</b>	<p>This product recognizes intact human and bovine 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 20-43 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

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<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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