

Osteocalcin Antibody

Monoclonal Antibody

Product Information

Product No.: 50116
Clone: OCG3
Isotype: Mouse IgG3
Storage: -20°C

Product Description

Specificity:

Mouse Monoclonal Antibody specific to an epitope within residues 21-31 of human, bovine, rat, rabbit, pig, goat, and sheep Osteocalcin.

Background:

Osteocalcin is a noncollagenous, 49 amino acid glutamate-rich polypeptide bone matrix protein with a molecular weight of about 5800Da. Osteoblasts produce osteocalcin and incorporate it into the bone matrix. Osteocalcin is released into the circulation from the matrix during bone resorption and, therefore, is considered a marker of bone turnover rather than a specific marker of bone formation.

Known Reactivity Species:

Bovine, Goat, Human, Porcine, Rabbit, Rat, Sheep

Format:

Purified

Immunogen:

Bovine osteocalcin

Formulation

20 mM TBS, pH7.5, containing 1.0% bovine serum albumin, lyophilized

Storage and Stability

Store stock solution (2.0 mg/ml) in aliquots at -20°C for one (1) year, or at 2° to 8°C for 6 months after adding 0.1% sodium azide.

Avoid repeated freeze-thaw cycles. Diluted antibody should not be stored.

Product Preparation

Purified by immunoaffinity chromatography

Applications

Applications and Recommended Usage (Quality Tested By Leinco):

Sandwich ELISA: 1-10ug/ml with immobilized antigen, pair with catalog no. 50120.

Immunoblotting: 1-10ug/ml, reducing or non-reducing conditions.

Immunohistochemistry: 1-10ug/ml, frozen or paraffin-embedded tissue after proteinase K (0.4m/ml) antigen retrieval.

End users should determine optimal concentrations for their applications.

Country of Origin

USA

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