



# Mouse Anti-Human Osteocalcin monoclonal antibody, clone L242d2 (DMABB-JX95)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	Human BGLAP protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A Purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	<p>ELISA (Det), CLIA (Det)</p> <p>We recommend the following as antibody pair (Capture - Detection): DMABB-JX94 - DMABB-JX95</p> <p>Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.</p>
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	1 mg
<b>Buffer</b>	1xPBS
<b>Preservative</b>	None
<b>Storage</b>	Store at -20 °C or below for long term. Avoid freeze/thaw cycles.

## BACKGROUND

**Introduction**

Osteocalcin, also known as Bone-Gla-Protein (BGP), is a single chain (Mr=5800) vitamin K dependent protein produced by osteoblasts and found in high concentrations in bone. Posttranslational modification by a vitamin K dependent carboxylase produces three gcarboxyglutamic acid residues at positions 17, 21 and 24.

**Keywords**

BGLAP;bone gamma-carboxyglutamate (gla) protein;OC;BGP;OCN;osteocalcin

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