

**DESCRIPTION**

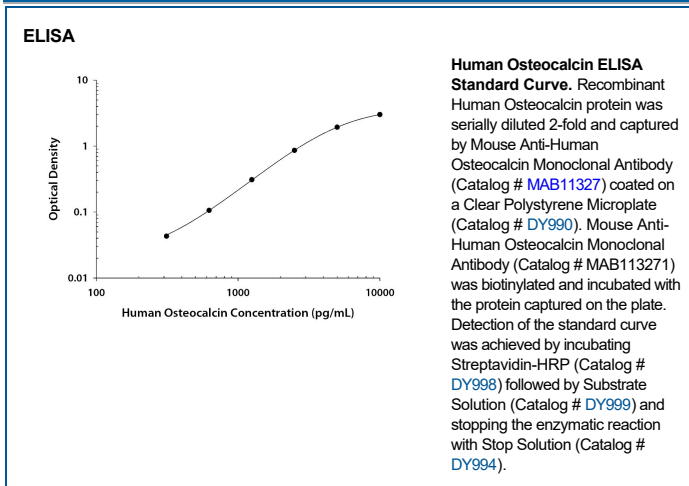
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Osteocalcin in direct ELISA.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 190124
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Osteocalcin/KLH containing peptide Accession # P02818
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

**APPLICATIONS**

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

<b>ELISA</b>	This antibody functions as an ELISA detection antibody when paired with Mouse Anti-Human Osteocalcin Monoclonal Antibody (Catalog # MAB11327). This product is intended for assay development on various assay platforms requiring antibody pairs. We recommend the Human Osteocalcin DuoSet ELISA Kit (Catalog # DY1419-05) for convenient development of a sandwich ELISA.
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**DATA**



**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**BACKGROUND**

Osteocalcin, also known as Bone γ-Carboxyglutamic Acid Protein, is a secreted protein whose expression is restricted to cells of the osteoblast lineage (1). It has been frequently used as a marker for osteoblast lineage cells.

**References:**

1. Lian, J.B. *et al.* (1999) *Vitamin. Horm.* **55**:443.