



Meridian

Life Science,® Inc.

Innovative Solutions. Trusted Partner.®

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CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: M66105M

Lot #: 7E12511

Page 1 of 2

Description: MAb to Osteopontin (CT)
Monoclonal Antibody to Human Osteopontin, C-Terminal (CT)

Specificity: Specific to Osteopontin (OPN) C-terminal (a.a. 167-314). Recognizes native and recombinant OPN.
Crossreacts with human and mouse OPN.

Clone: 1F11

Host Animal: Mouse

Isotype: IgG₁

Source: Ascites

Immunogen: Recombinant full-length Osteopontin.

Format: Purified, Liquid

Exp. Date: 08 APR 2018

Purification: > 90% pure (SDS-PAGE). Protein A Chromatography
Product is 0.2 µm filtered.

Concentration: 4.85 mg/mL (OD280nm, E^{0.1%} = 1.4)

Buffer: 10 mM Sodium Phosphate, 150 mM Sodium Chloride, pH 7.4 ± 0.2.

Preservative: 0.05% Sodium Azide



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Page 2 of 2

Applications:

Suitable for use in ELISA and Western Blot. 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.

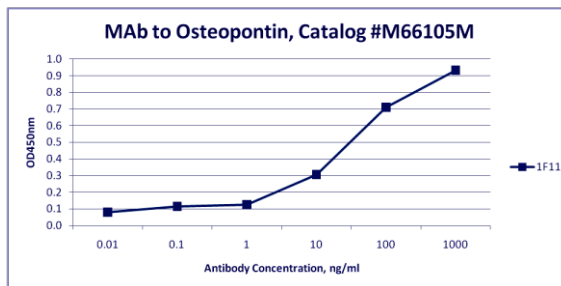
Recommended antibody pair for sandwich immunoassay:

Capture

M66103M

Detection

M66105M



Titration curve of M66105M in indirect ELISA:

Antigen: Recombinant full-length Osteopontin, coated at 0.1 µg/mL.

Antibody: Dilution series of M66105M, incubated 2 hours at room temp followed by Goat anti-Mouse IgG:HRP conjugate and TMB substrate.

Storage:

Short term (up to 7 days) store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

Warning:

This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1 – 1.0 %. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

References:

The reference listed below is for research purposes only:

Plumer, A., et al., (2008), "Development of fragment-specific osteopontin antibodies and ELISA for quantification in human metastatic breast cancer", *BMC Cancer*, 8:38.

Signature

01 Apr 2016

Date

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

002