



## Peninsula Laboratories, LLC

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### Polyclonal Antibody To Mouse Osteopontin

#### Rabbit Anti Mouse Bone Sialoprotein-1, Secreted Phosphoprotein-1 (SPP-1)

Osteopontin is an extensively phosphorylated and glycosylated 278-residue chemokine. It interacts with alpha-V/beta-3, CD44 and other adhesion structures. Biologically, it appears to form part of the mineralized matrix and is involved in enhancing production of interferon-gamma and interleukin-12 and reducing production of interleukin-10. Immunohistological detection and plasma levels are correlated with poor outcome in neoplastic diseases. The antibody has been generated by repeated immunizations of rabbits with purified mouse osteopontin.

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| <b>Product Number:</b>        | T-2501                                                                                                                                                                                                                                                                                                                                               |
| <b>Clone:</b>                 | Polyclonal antibody                                                                                                                                                                                                                                                                                                                                  |
| <b>Host species, isotype:</b> | Rabbit IgG                                                                                                                                                                                                                                                                                                                                           |
| <b>Quantity:</b>              | 500µl                                                                                                                                                                                                                                                                                                                                                |
| <b>Format:</b>                | Lyophilized antiserum<br><br>Reconstitute by adding 0.5ml distilled water. This stock solution contains rabbit antiserum, phosphate buffered saline pH 7.2 (PBS) and 0.09% sodium azide as a preservative.                                                                                                                                           |
| <b>Stability:</b>             | Original vial: 1 year at 4° - 8°C.                                                                                                                                                                                                                                                                                                                   |
| <b>Applications:</b>          | Tested for immunohistochemistry (IHC). Has been described to work in ELISA and western blot.<br><br><b>Approximate working dilution for IHC:</b><br>Frozen sections: 1:500<br>Paraffin sections: 1:100 (Pretreatment not necessary).<br><br>Optimal dilutions should be determined by the end user.<br><br>Suggested positive control: mouse kidney. |
| <b>Immunogen:</b>             | Purified osteopontin from mouse kidney cell culture.                                                                                                                                                                                                                                                                                                 |
| <b>Antigen, epitope:</b>      | Mouse osteopontin; the antigen migrates as a 55kDa band in 4-12% Bis Tris gel with MOPS buffer. 60-65kDa and 110kDa bands have been noted with other protocols.                                                                                                                                                                                      |
| <b>Species specificity:</b>   | Mouse; some cross reactivity with rat, pig and human urinary osteopontin has been described.                                                                                                                                                                                                                                                         |

For in vitro research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.