



20150217ML

Anti-Human Osteopontin (#1Z3)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	101-M598
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant Osteopontin.

Target Background

Synonyms (Target):	SPP1; OPN; BNSP; BSPI; ETA-1
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Osteopontin (OPN), previously referred to as transformation-associated secreted phosphoprotein, bone sialoprotein I, and minopotin, is a secreted, highly acidic, calcium-binding, RGD-containing, phosphorylated glycoprotein originally isolated from bone matrix. Subsequently, OPN has been found in kidney, placenta, blood vessels, and various tumor tissues. Human, mouse, rat, porcine, and bovine OPN share approximately 40% amino acid sequence identity.

Database References Target

Protein RefSeq:	NP_001035147
Uniprot ID:	P10451
mRNA RefSeq:	NM_001040058

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#1Z3)
Isotype	IgG1
Purification	Protein G chromatography
Antigen	recombinant human Osteopontin
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human Osteopontin.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB

Recommended usage:

WB: Use at 1:500-1000

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!