

Mouse anti-Human SPP1 Monoclonal Antibody | anti-SPP1 antibody

SPP1 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA268539	Mouse	Human	ELISA, Flow Cytometry, Functional Assay, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SPP1; Monoclonal Antibody; SPP1 Mouse mAb; OPN; BNSP; BSPI; ETA-1; anti-SPP1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	7C5H12
Purity/Purification	Affinity Purified
Form/Format	In PBS with 0.05% Sodium Azide
Sequence Length	300
Applicable Applications for anti-SPP1 antibody	ELISA, FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human SPP1 (AA: 167-314) expressed in E. Coli.
Cellular Localization	Secreted
Preparation and Storage	Store at 4°C for short term. Store at -20°C for long term. Avoid freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-SPP1 antibody	The protein encoded by this gene is involved in the attachment of osteoclasts to the mineralized bone matrix. The encoded protein is secreted and binds hydroxyapatite with high affinity. The osteoclast vitronectin receptor is found in the cell membrane and may be involved in the binding to this protein. This protein is also a cytokine that upregulates expression of interferon-gamma and interleukin-12. Several transcript variants encoding different isoforms have been found for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4759166
NCBI GeneID	6696
NCBI Accession #	NP_000573.1
NCBI GenBank Nucleotide #	NP_000573.1
UniProt Accession #	P10451
Molecular Weight	35.4kDa
NCBI Official Full Name	osteopontin isoform OPN-b

NCBI Official Synonym Full Names	secreted phosphoprotein 1
NCBI Official Symbol	SPP1
NCBI Official Synonym Symbols	OPN; BNSP; BSPI; ETA-1
NCBI Protein Information	osteopontin
UniProt Protein Name	Osteopontin
UniProt Gene Name	SPP1
UniProt Synonym Gene Names	BNSP; OPN; SPP-1
UniProt Entry Name	OSTP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/spp1-antibody-clone-7c5h12-flow-cytometry-immunocytochemistry-immunohistochemistry-western-blot-elisa/268539>