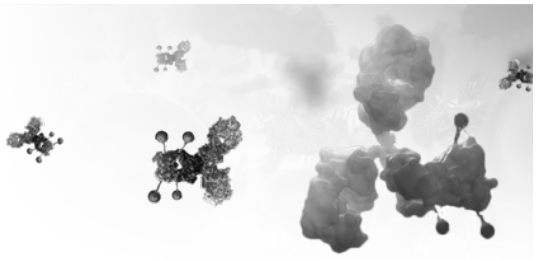

Human SPP1 blocking peptide (CDBP2146)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Osteopontin (C - term) peptide (human)
Antigen Description	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. [provided by RefSeq, Oct 2011]
Species	Human
Conjugate	Unconjugated
Applications	BL
Concentration	1 mg/ml
Size	50 µg
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 0.01% sodium azide
Preservative	0.01% Sodium Azide
Storage	Upon Receipt - Keep as concentrated solution. Aliquot and store at -20℃ or below. Avoid freeze-thaw cycles.

GENE INFORMATION

Gene Name	SPP1 secreted phosphoprotein 1 [Homo sapiens (human)]
Official Symbol	SPP1

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Synonyms	SPP1; secreted phosphoprotein 1; OPN; BNSP; BSPI; ETA-1; osteopontin; uropontin; nephropontin; SPP1/CALPHA1 fusion; urinary stone protein; early T-lymphocyte activation 1; osteopontin/immunoglobulin alpha 1 heavy chain constant region fusion protein; secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1);
Entrez Gene ID	6696
mRNA Refseq	NM_000582.2
Protein Refseq	NP_000573.1
UniProt ID	P10451
Chromosome Location	4q22.1
Pathway	BDNF signaling pathway, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Endochondral Ossification, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; FGF signaling pathway, organism-specific
Function	cytokine activity; extracellular matrix binding;

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