

Datasheet for ABIN520442  
**anti-Osteopontin antibody (AA 1-300)**



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3 Images

Overview

Quantity:	100 µg
Target:	Osteopontin (SPP1)
Binding Specificity:	AA 1-300
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Osteopontin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Mouse monoclonal antibody raised against a full length recombinant SPP1.
Immunogen:	SPP1 (AAH07016.1, 1 a.a. ~ 300 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MRIAVICFCL LGITCAIPVK QADSGSSEEK QLYNKYPDAV ATWLNPDPSQ KQNLLAPQTL PSKSNESH DH MDDMDEDDD DHVDSQDSID SNDSDDVDDT DDSHQSDESH HSEDEDELVT DFPTDLPATE VFTPVPVPTVD TYDGRGDSVV YGLRSKSKKF RRPDIQYPDA TDEDITSHME SEELNGAYKA IPVAQLNAP SDWDSRGKDS YETSQLDDQS AETHSHKQSR LYKRKANDES NEHSDVIDSQ ELSKVSREFH SHEFHSHEDM LVVDPKSKEE DKHLKFRISH ELESASSEVN
Clone:	1D4
Isotype:	IgG1
Cross-Reactivity:	Human

## Product Details

Characteristics: Antibody Reactive Against Recombinant Protein.

## Target Details

Target: Osteopontin (SPP1)

Alternative Name: SPP1 ([SPP1 Products](#))

Background: Full Gene Name: secreted phosphoprotein 1  
Synonyms: BNSP,BSPI,ETA-1,MGC110940,OPN

Gene ID: 6696

Pathways: [Regulation of Cell Size](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

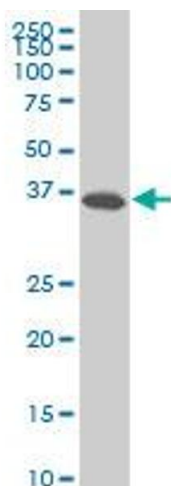
Buffer: In 1x PBS, pH 7.4

Handling Advice: Aliquot to avoid repeated freezing and thawing.

Storage: -20 °C

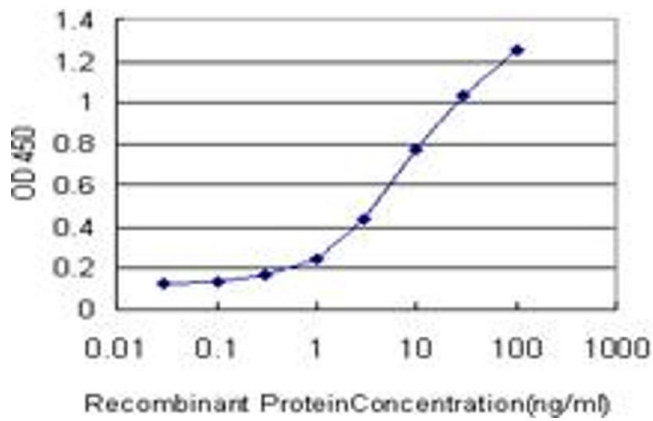
Storage Comment: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Images



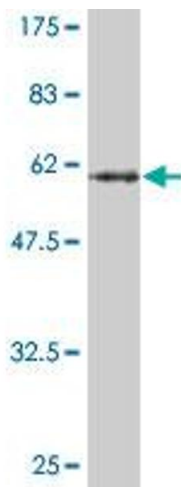
### Western Blotting

**Image 1.** SPP1 monoclonal antibody (M02), clone 1D4  
Western Blot analysis of SPP1 expression in Hela S3 NE .



### ELISA

**Image 2.** Detection limit for recombinant GST tagged SPP1 is approximately 0.1 ng/ml as a capture antibody.



### Western Blotting

**Image 3.** Western Blot detection against Immunogen (58.74 kDa).