

Anti-Osteopontin Antibody (2F952)

Product Details

Ig Type:	Mouse IgG2a
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2F952
Purification:	Affinity-chromatography

Applications

Verified Activity:	Overlay Peak curve showing A549 cells stained with TMAH-01130 (red line) at 1:100. Then 10% normal goat serum was incubated to block non-specific protein-protein interactions followed by the antibody (1µg/1*10 ⁶ cells) for 45 min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/200 dilution for 35 min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1µg/1*10 ⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.
Application:	ELISA, FCM
Recommended	FCM:1:20-1:500.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human SPP1 Protein
Antigen Species:	Human
Gene ID:	6696
Uniprot ID:	P10451
Synonyms:	OPN;secreted phosphoprotein 1;BSPI;ETA-1;BNSP
Biology Area:	Cancer, Cardiovascular, Signal transduction, Stem cells

Research Background

Major non-collagenous bone protein that binds tightly to hydroxyapatite. Appears to form an integral part of the mineralized matrix. Probably important to cell-matrix interaction. Acts as a cytokine involved in enhancing production of interferon-gamma and interleukin-12 and reducing production of interleukin-10 and is essential in the pathway that leads to type I immunity.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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