

Anti-Mouse/Rat/Human Osteopontin/SPP1 Antibody (MPIIB10)

Chemical Properties

CAS No. :

Formula:

Molecular Weight: 150 kDa

Store at low temperature

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Anti-Mouse/Rat/Human Osteopontin/SPP1 Antibody (MPIIB10) is a mouse-derived antibody that targets and inhibits mouse, rat, and human Osteopontin/SPP1. It significantly suppresses tumour growth in CT26 and MC38 mouse tumour models and attenuates VSMC migration.
Targets(IC50)	Integrin
In vitro	<p>Anti-Mouse/Rat/Human Osteopontin/SPP1 Antibody (MPIIB10), when applied to cardiac fibroblasts at concentrations of 7.2 µg/mL or 72 ng/mL for 30 minutes, can block angiotensin II-induced DNA synthesis [2].</p> <p>Anti-Mouse/Rat/Human Osteopontin/SPP1 Antibody (MPIIB10), when acting on cardiac fibroblasts at concentrations of 7.2 µg/mL or 25 µg/mL for 30 minutes, can inhibit collagen gel contraction co-induced by angiotensin II and osteopontin [2].</p> <p>Anti-Mouse/Rat/Human Osteopontin/SPP1 Antibody (MPIIB10), when applied to A10 cells at a concentration of 100 ng/mL for 48 hours, significantly attenuates high mobility group box 1 (HMGB1)-induced migration of vascular smooth muscle cells (VSMCs) [3].</p>
In vivo	Anti-Mouse/Rat/Human Osteopontin/SPP1 Antibody (MPIIB10) was administered intraperitoneally to mice at a dose of 500 µg per mouse, with dosing every 2 days for a total of 10 days. This treatment significantly inhibited tumor growth in CT26 or MC38 mouse tumor models [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0067 mL	0.0333 mL	0.0667 mL
5 mM	0.0013 mL	0.0067 mL	0.0133 mL
10 mM	0.0007 mL	0.0033 mL	0.0067 mL
50 mM	0.0001 mL	0.0007 mL	0.0013 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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