

RP02806

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Recombinant Mouse Osteopontin/SPP1 Protein

Catalog No.: RP02806

Recombinant

1 Publications

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	20750	P10923

Tags

C-His

Synonyms

ALB;HSA;PRO0883;PRO0903;PRO1341;albumin;Albumin;SPP1

Product Information

Source

HEK293 cells

Purification

> 95% as determined by HPLC

Endotoxin

<1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Secreted phosphoprotein 1 (SPP1) expression in TAMs isolated from lung adenocarcinoma tissues and PMA-treated THP-1 cells were measured. Macrophage polarization was identified by flow cytometric analysis. Cell migration and apoptosis were assessed by Transwell migration assays and flow cytometric analysis, respectively. SPP1 is highly expressed in tumor tissues and TAMs isolated from patients with an advanced TNM stage, and also in PMA-treated THP-1 cells.

Basic Information

Description

Recombinant Mouse Osteopontin/SPP1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu17-Asn294) of mouse Osteopontin/SPP1 (Accession #NP_033289.2) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

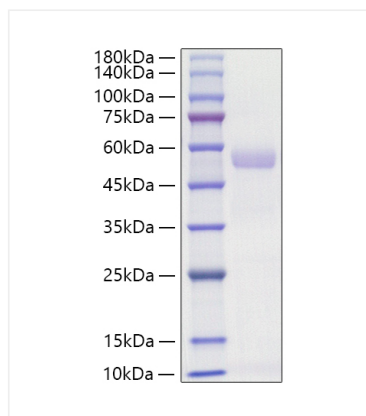
Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

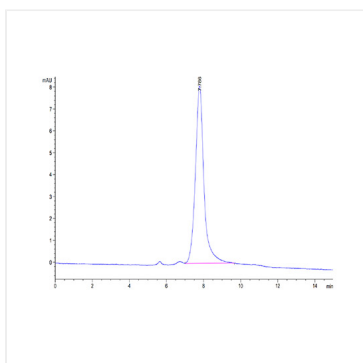


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Validation Data



Recombinant Mouse Osteopontin/SPP1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 45-60 kDa.



The purity of Mouse Osteopontin/SPP1 is greater than 95% as determined by SEC-HPLC.