



SPARC - Exalpa Biologicals inc.

exalpa.com/products/sparc/X1855B

SPARC

Catalog number: **X1855B**

Product Type	Blocking Peptide
Units	50 µg
Species Reactivity	Human
Application	Functional Inhibition

Background

SPARC is a key factor in cell-matrix interactions and possibly tumour aggressiveness. The SPARC gene, which encodes a multifunctional glycoprotein with roles in tissue development, remodelling and fibrosis. A regulator of cell-extracellular matrix (ECM) interactions, SPARC represents a major factor in the ECM remodelling occurring during tumour invasion. *in silico* analysis reveals 4 UTR-SNPs located in the 3'-UTR of the SPARC gene, corresponding to 1474 g a, 1551 g c, 1922 t g and 2072 c t changes, which are significantly associated with tumoral state of the tissue. Of all hits, the 2072 SPARC polymorphism had the best association with cancer. SPARC therefore is a gene involved in a number of diseases including rheumatoid arthritis, scleroderma, tumor development and metastasis. SPARC variants have been detected in tumour samples of patients with acute myeloblastic leukemia (AML).

Synonyms: Secreted Protein Acidic and Rich in Cysteine, Secreted modular calcium-binding protein 2, SMOC-2, Smooth muscle-associated protein 2, SMAP-2

Product

Product Form: Unconjugated

Formulation: Provided as solution in phosphate buffered saline with 0.08% sodium azide

Concentration: See vial for concentration

Applications

Blocking peptide for use with SPARC antibodies (Cat. Nos. X1860P & X1867P).

Functional Analysis: Antibody Function Blocking

Storage

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

Product Stability: See expiration date on vial

Shipping Conditions: Ship at ambient temperature, freeze upon arrival

Caution

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. It may contain hazardous ingredients. Please refer to the Safety Data Sheets (SDS) for additional information and proper handling procedures. Dispose product remainders according to local regulations. This datasheet is as accurate as reasonably achievable, but Exalpha Biologicals accepts no liability for any inaccuracies or omissions in this information.

Protein Reference(s)

Database Name: UniProt

Accession Number: Q9H3U7

Species Accession: Human

Safety Datasheet(s) for this product:

EA_Sodium Azide