

Anti-SPARCL1 Antibody-FITC (5B937)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	FITC
Clone:	5B937
Purification:	Protein A

Applications

Verified Activity:	Profile of anti-SPARCL1 reactivity on HL60 cells analyzed by flow cytometry. The cells were treated according to manufacturer's manual (BD Pharmingen™ Cat. No. 554714), and stained with FITC conjugated Mouse anti-SPARCL1, The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.
Application:	FCM
Recommended	10 µl/Test, 0.1 mg/ml

Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human SPARCL1 protein
Antigen Species:	Human
Synonyms:	Ecm2;mast9;Sc1;hevin;SPARC like 1

Research Background

SPARC-like protein 1 (SPARCL1; also known as SC1, high endothelial venule protein, or hevin) is an extracellular matrix-associated, secreted glycoprotein belonging to the secreted protein acidic and rich in cysteine (SPARC) family of matricellular proteins. It contains three conserved structural domains that are implicated in the regulation of cell adhesion, migration, and proliferation. SPARCL1 is expressed during embryogenesis and tissue remodeling and is especially prominent in brain and vasculature. Its down-regulation in a number of cancers and the possibility of its functional compensation by SPARC has led to recent interest in hevin as a tumor suppressor and regulator of angiogenesis. SPARCL1 has antiadhesive properties, and loss of SPARCL1 expression is associated with increased proliferative activity and cell cycle progression. It is suggested that it may influence multiple cellular processes during distinct stages of brain development and function. Besides, SPARCL1 can influence the function of astroglial cells in the developing and mature central nervous system (CNS).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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