

Anti-SPARCL1 Antibody (5W986)

Product Details

Ig Type:	Mouse IgG2b
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5W986
Purification:	Protein A

Applications

Verified Activity:	<p>1. Immunofluorescence staining of Human SPARCL1 in A431 or Hela cells. Cells were fixed with 4% PFA, permeabilized with 1% Triton X-100 in PBS, blocked with 10% serum, and incubated with mouse anti-Human SPARCL1 monoclonal antibody (1:60). Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-mouse IgG secondary antibody (left panel, captured by laser confocal scanning microscope; right panel, captured by fluorescence microscope), counterstained with DAPI (blue). Positive staining was localized to cytoplasm.</p> <p>2. Flow cytometric analysis of Human SPARCL1 expression on HL60 cells. The cells were treated according to manufacturer's manual (BD Pharmingen™ Cat. No. 554714), stained with purified anti-Human SPARCL1, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.</p>
Application:	ELISA(Det),FCM,ICC/IF
Recommended	ICC-IF: 1:20-1:100; FCM: 1:25-1:100; ELISA(Det): 1:1000-1:10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

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

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

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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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