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Datasheet for ABIN7013896

anti-SUSD2 antibody

1 Image

Overview

Quantity:	0.1 mg
Target:	SUSD2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SUSD2 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	WERI-RB-1 retinoblastoma cells
Clone:	W5C5
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody W5C5 recognizes an extracellular epitope of SUSD2, a type I transmembrane protein expressed on mesenchymal stem-like cells. This antibody selectively binds to a MSCs in both bone marrow and endometrium or tonsil, and can be used for their identification and isolation.
Purification:	Purified by protein-A affinity chromatography.

Target Details

Target:	SUSD2
Alternative Name:	SUSD2 (SUSD2 Products)

Target Details

Background: Sushi domain containing 2,SUSD2 (sushi domain containing protein 2) is a type I transmembrane protein, that serves as an important marker of bone marrow-derived mesenchymal stem-like cells (bone marrow stromal cells). These pluripotent cells are important for techniques of autologous cell therapy, and can be collected from e.g. endometrium, or palatine tonsil. SUSD2 seems to be a tumor supresor, and is down-regulated in colon cancer tissues, whereas it is highly expressed e.g. in breast cancer.

Gene ID: 56241

UniProt: [Q9UGT4](#)

Application Details

Application Notes: Flow cytometry: Recommended dilution: 1-4 µg/mL

Restrictions: For Research Use only

Handling

Concentration: 1 mg/mL

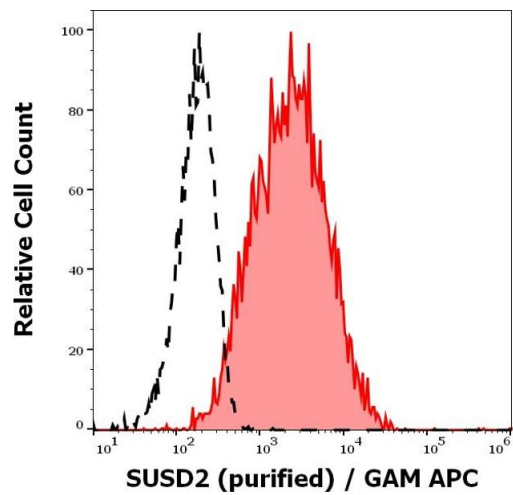
Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Store at 2-8°C. Do not freeze.



Flow Cytometry

Image 1. Separation of MCF-7 cells stained using anti-human SUSD2 (W5C5) purified antibody (concentration in sample 5,0 $\mu\text{g/mL}$, GAM APC, red-filled) from MCF-7 cells unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).