Datasheet for ABIN7013898

anti-SUSD2 antibody (PE)

1 Image

Go to Product page

Overview

Quantity:	0.1 mg
Target:	SUSD2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SUSD2 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

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 antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	SUSD2

Target Details

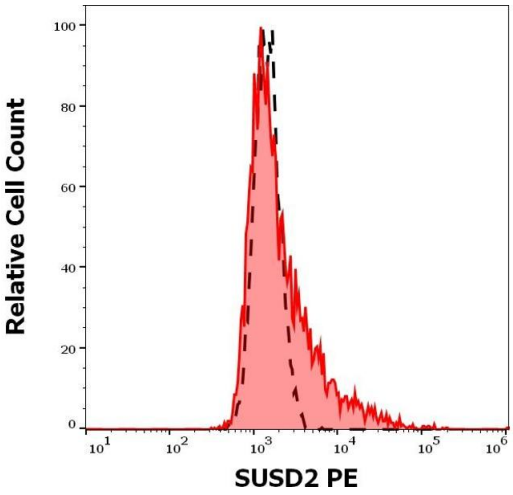
Alternative Name:	SUSD2 (SUSD2 Products)
Background:	Sushi domain containing 2,SUSD2 (sushi domain containing protein 2) is a type I transmembrane protein, that serves as an important marker of bone marrow-derived mesenchymal stem-like cells (bone marrow stromal cells). These pluripotent cells are important 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: 2-5 µg/mL
Restrictions:	For Research Use only

Handling

Concentration:	0.1 mg/mL
Buffer:	Stabilizing 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. Protect from prolonged exposure to light. Do not freeze.



Flow Cytometry

Image 1. Separation of HeLa cells stained using anti-human SUSD2 (W5C5) PE antibody (concentration in sample 1.67 µg/mL, red-filled) from HeLa cells stained using mouse IgG1 isotype control (MOPC-21) PE antibody (concentration in sample 1.67 µg/mL, same as SUSD2 PE concentration, black-dashed) in flow cytometry analysis (surface staining).