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30-2495: Anti-Human SUSD2 PE (Clone : W5C5)

Clonality :	Monoclonal
Clone Name :	W5C5
Application :	FACS
Reactivity :	Human
Conjugate :	PE
Gene :	SUSD2
Gene ID :	56241
Alternative Name :	sushi domain containing 2
Isotype :	Mouse IgG1
Immunogen Information :	WERI-RB-1 retinoblastoma cells

Description

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.
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.

Product Info

Amount :	0.1 mg
Purification :	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Content :	0.1 mg/ml Formulation : Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

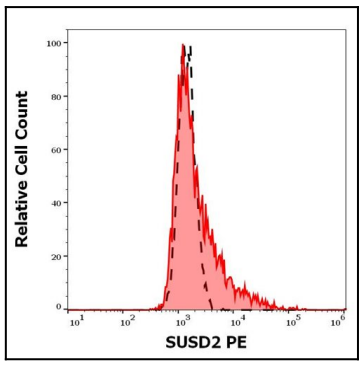

Figure 1: Separation of HeLa cells stained using anti-human SUSD2 (W5C5) PE antibody (red-filled) from HeLa cells stained using mouse IgG1 isotype control (MOPC-21) PE antibody (black-dashed) in flow cytometry analysis (surface staining).

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