Human SUSD2
Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 944827

Catalog Number: FAB90561R

25 Tests

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SUSD2 in direct ELISAs. Stains human SUSD2 transfectants but not irrelevant transfectants in flow cytometry.
Source	Monoclonal Mouse IgG_{2A} Clone # 944827
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human embryonic kidney cell line HEK293-derived human SUSD2 Met1-Ala785 Accession # Q9UGT4
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

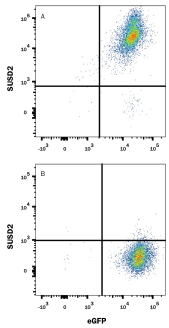
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Flow Cytometry	5 µL/10^6 cells	See Below

DATA

Flow Cytometry



Detection of SUSD2 in HEK293 Human Cell Line Transfected with Human SUSD2 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with either (A) human SUSD2 or (B) irrelevant transfectants and eGFP was stained with Mouse Anti-Human SUSD2 Alexa Fluor® 647-conjugated Monoclonal Antibody (Catalog # FAB90561R). Quadrant markers were set based on control antibody staining (Catalog # IC003R). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Sushi domain containing 2, or SUSD2, is a type I transmembrane protein of 822 amino acids containing functional domains inherent to adhesion molecules. SUSD2 has been described as a novel marker of human endometrial mesenchymal stem-like cells and it has been used for their prospective isolation. As a transmembrane receptor, SUSD2 has been proposed to interact with Galectin-1 and to be the receptor for C10ORF99, a novel potential cytokine suggested to inhibit colon cancer cell growth through inducing G1 arrest. There is evidence that SUSD2 may play a role in breast tumorigenesis.

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