

DESCRIPTION

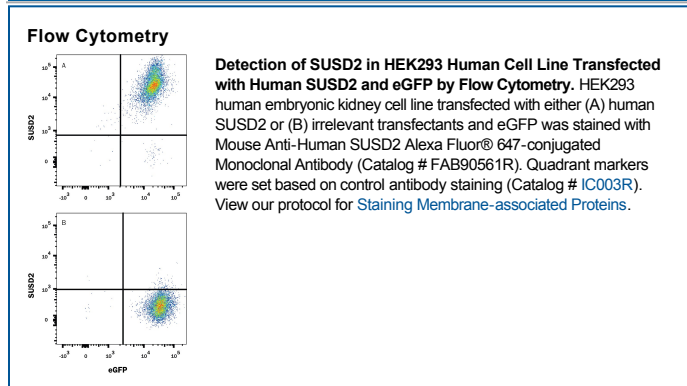
Species Reactivity	Human
Specificity	Detects human SUS2 in direct ELISAs. Stains human SUS2 transfectants but not irrelevant transfectants in flow cytometry.
Source	Monoclonal Mouse IgG _{2A} Clone # 944827
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human embryonic kidney cell line HEK293-derived human SUS2 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



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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Sushi domain containing 2, or SUS2, is a type I transmembrane protein of 822 amino acids containing functional domains inherent to adhesion molecules. SUS2 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, SUS2 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 SUS2 may play a role in breast tumorigenesis.

PRODUCT SPECIFIC NOTICES

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