

DESCRIPTION

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| Species Reactivity | Mouse |
| Specificity | Detects mouse TSPAN8 transfectants but not the parental cell line in flow cytometry. |
| Source | Monoclonal Rat IgG _{2B} Clone # 657909 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | CHO Chinese hamster ovary cell line transfected with mouse TSPAN8 |
| Conjugate | Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm |
| Formulation | Supplied 0.2 mg/mL 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 | 0.25-1 µg/10 ⁶ cells | CMT-93 mouse rectal carcinoma cell line |

PREPARATION AND STORAGE

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| 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

Tetraspanin-8 (TSPAN8), also known as TM4SF3 and human tumor-associated antigen CO-0029, is a member of the transmembrane 4 (tetraspanin) superfamily. It is a cell surface 27 - 34 kDa protein with intracellular N- and C-termini, 4 transmembrane segments and a large extracellular loop (LEL) domain from aa 106-206. TSPAN8 is involved in integrin-mediated cell motility, metastasis, cell proliferation and differentiation, and is over-expressed in carcinomas including hepatocellular carcinoma and colon cancer. Polymorphisms have variably been associated with type II diabetes, bipolar disorder and schizophrenia. Human TSPAN8 shares 70% aa sequence identity with mouse and rat TSPAN8.

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