

#### DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse TSPAN8 transfectants but not the parental cell line in flow cytometry.
<b>Source</b>	Monoclonal Rat IgG <sub>2B</sub> Clone # 657909
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	CHO Chinese hamster ovary cell line transfected with mouse TSPAN8
<b>Conjugate</b>	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	CMT-93 mouse rectal carcinoma cell line

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### 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.

#### PRODUCT SPECIFIC NOTICES

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