

**DESCRIPTION**

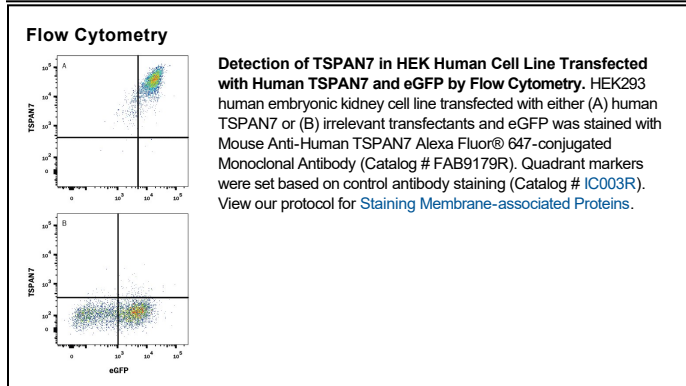
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Stains human TSPAN7 transfectants but not irrelevant transfectants in flow cytometry.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 482618
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	HEK293 human embryonic kidney cell line transfected with human TSPAN7 Accession # P41732
<b>Conjugate</b>	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	5 µL/10 <sup>6</sup> cells	See Below

**DATA**



**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> ● 12 months from date of receipt, 2 to 8 °C as supplied.

**BACKGROUND**

Tetraspanin-7 (aka TSPAN7, TALLA-1, TM4SF2 and CD231) is a 249 aminoacids (aa) multi-pass membrane protein. Tetraspanin proteins regulate morphology, signaling and trafficking processes by interaction and association with proteins in tetraspanin enriched microdomains (TEMs). It has been proposed that tetraspanins interact with integrins to affect cell migration, probably by modulation or compartmentalization of integrin signaling. TSPAN7 has been found to be upregulated in myeloma development and described as a prognostic marker of renal cell carcinoma. Mutations in TSPAN7 are also implicated in some forms of X-linked intellectual disability.

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