Human TSPAN2
Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 822509

Catalog Number: FAB7876G

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TSPAN2 in ELISAs.
Source	Monoclonal Mouse IgG_{2B} Clone # 822509
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human TSPAN2 Met1-Ile221 Accession # O60636
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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	Human TSPAN2 and eGFP co-transfectants

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

TSPAN2 (tetraspanin-2) is a member of the transmembrane 4 superfamily. It is a cell surface 221 amino acid (aa) protein with 4 transmembrane segments and a large extracellular loop (aa 112-188) that contains four conserved cysteines and one potential N-glycosylation site. Both the N- and C-termini are intracellular. In humans, TSPAN2 expressed sequence tags have been found in the pregnant uterus, T cell, and fetal heart. In rats, TSPAN2 is thought to be involved in oligodendrocyte differentiation. Human TSPAN2 shares 94% and 95% aa sequence identity with mouse and rat TSPAN2, respectively.

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