

DESCRIPTION

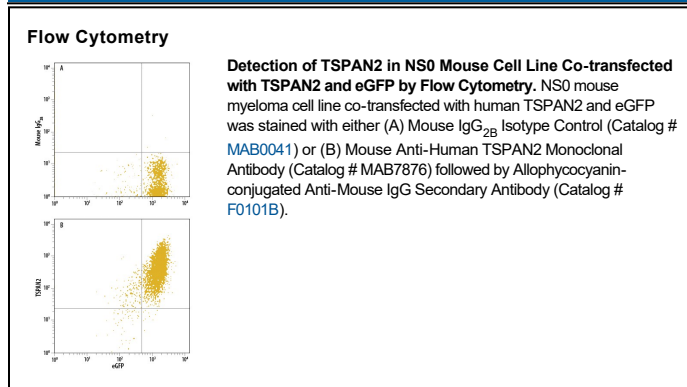
Species Reactivity	Human
Specificity	Detects human TSPAN2 in ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 822509
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human TSPAN2 Met1-Ile221 Accession # O60636
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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	2.5 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.