

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TSPAN9 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2A} Clone # 590409
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	HEK293 human embryonic kidney cell line transfected with human TSPAN9 Accession # O75954
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.

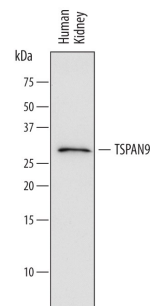
APPLICATIONS

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
Western Blot	1 µg/mL	See Below

DATA

Western Blot



Detection of Human TSPAN9 by Western Blot. Western blot shows lysates of human kidney tissue. PVDF membrane was probed with 1 µg/mL of Mouse Anti-Human TSPAN9 Monoclonal Antibody (Catalog # MAB6565) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for TSPAN9 at approximately 27 to 30 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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

Tetraspanin 9 (TSPAN9) is a 27 kDa glycoprotein and member of the tetraspanin (TM4SF) family of proteins. It is 239 amino acids (aa) in length and contains four transmembrane segments and one potential site for N-linked glycosylation. Both the N- and C-termini lie on the intracellular side of the membrane. Human TSPAN9 is 97% aa identical to mouse TSPAN9. It is expressed in megakaryocytes and platelets where it co-localizes with GP6 in tetraspanin microdomains on the platelet surface. TSPAN9 is involved in platelet activation.