Human VSIG2 Antibody

Monoclonal Mouse IgG_{2B} Clone # 541527

Catalog Number: MAB5177

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human VSIG2 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human VSIG1, 3, 4, or recombinant mouse VSIG2 is observed.
Source	Monoclonal Mouse IgG_{2B} Clone # 541527
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human VSIG2 Val24-Ala243 Accession # Q96IQ7
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.

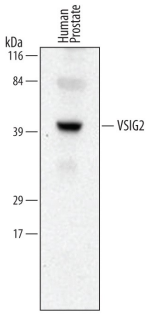
APPLICATIONS

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	2 µg/mL	See Below

DATA

Western Blot



Detection of Human VSIG2 by Western Blot. Western blot shows lysates of human prostate tissue. PVDF membrane was probed with 2 µg/mL of Mouse Anti-Human VSIG2 Monoclonal Antibody (Catalog # MAB5177) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for VSIG2 at approximately 45 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
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.** ● 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

VSIG2 (V-set and Ig domain-containing protein 2; also CTM and CT-like protein) is presumably a 50-60 kDa member of the CTX family of proteins. It shows expression in stomach and prostate by Northern blot, and likely participates in cell adhesion. Human VSIG2 precursor is 327 amino acids (aa) in length. It is a type I transmembrane (glyco)protein that contains a 220 aa extracellular domain (ECD) (aa 24-243) and a 63 aa cytoplasmic region. The ECD contains one V-type (aa 24-137) and one C2-type Ig-like domain (aa 144-233). One potential splice variant exists that shows a deletion of aa 285-327. Over aa 24-243, human VSIG2 is 85% aa identical to mouse VSIG2.

bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449