

## DESCRIPTION

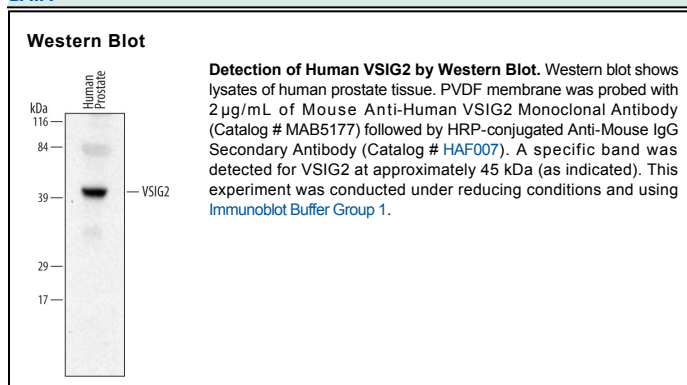
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human VSIG2 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human VSIG1, 3, 4, or recombinant mouse VSIG2 is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 541527
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human VSIG2 Val24-Ala243 Accession # Q96IQ7
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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
<b>Western Blot</b>	2 µg/mL	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## 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.