

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse VSIG2 in Western blots. In Western blots, approximately 25% cross-reactivity with recombinant human (rh) VSIG2 is observed and less than 10% cross-reactivity with rhVSIG3 is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse VSIG2 isoform 1 Val25-Ala244 Accession # Q9Z109
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

## 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.1 µg/mL	Recombinant Mouse VSIG2

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 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.
<b>Stability &amp; Storage</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <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 Ig-Superfamily proteins. It shows expression in stomach and prostate by Northern blot, and likely participates in cell adhesion. Mouse VSIG2 precursor is 328 amino acids (aa) in length. It is a type I transmembrane (glyco)protein that contains a 220 aa extracellular domain (ECD) (aa 25-244) and a 63 aa cytoplasmic region. The ECD contains one V-type (aa 25-138) and one C2-type Ig-like domain (aa 145-234). Over aa 25-244, mouse VSIG2 is 94%, 83% and 85% aa identical to rat, canine and human VSIG2, respectively. Two potential splice variants exist, one that shows a deletion of aa 305-328 and a second that shows a deletion of aa 144-236.