

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human VSIG2 in direct ELISAs and Western blots. In direct ELISAs, approximately 40% cross-reactivity with recombinant mouse VSIG2 is observed and less than 1% cross-reactivity with recombinant human (rh) VSIG1, rhVSIG3, and rhVSIG4 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human VSIG2 isoform 1 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	0.1 µg/mL	Recombinant Human VSIG2

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 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. <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

VSIG2 (V-set and Ig domain-containing protein 2; also CTM and CT-ike 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.