

DESCRIPTION

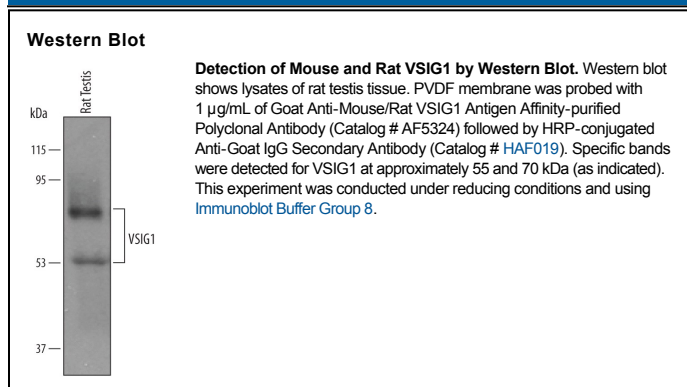
Species Reactivity	Mouse/Rat
Specificity	Detects mouse and rat VSIG1 in direct ELISAs and Western blots. In direct ELISAs, approximately 5% cross-reactivity with recombinant human (rh) VSIG1 is observed and less than 1% cross-reactivity with recombinant mouse (rm) VSIG2, rmVSIG3, rmVSIG4, and rhVSIG3 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse VSIG1 Val23-Glu234 Accession # BAE35812
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 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



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

VSIG1 (V-set and Ig domain-containing protein 1; also Glycoprotein 34 and Cell surface antigen 33) is a 55-70 kDa member of the JAM family of Ig-Superfamily proteins. It shows expression on gastric epithelium and testicular germ cells and likely participates in cell adhesion. Mouse VSIG1 precursor is 407 amino acids (aa) in length. It is a type I transmembrane glycoprotein that contains a 211 aa extracellular domain (ECD) (aa 23-234) and a 152 aa cytoplasmic region. The ECD contains one V-type (aa 23-134) and one C2-type Ig-like domain (aa 145-229). Over aa 23-234, mouse VSIG1 is 94% and 81% aa identical to rat and human VSIG1, respectively. There is one potential alternate start site at Met108.