Mouse/Rat VSIG1 Biotinylated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: BAF5324

DESCRIPTION

Species Reactivity	Mouse/Rat
Specificity	Detects mouse and rat VSIG1 in Western blots. In Western blots, approximately 10% 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 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.*

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse and Rat VSIG1

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.
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

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.

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