

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.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse VSIG1 Val23-Glu234 Accession # BAE35812
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

PRODUCT SPECIFIC NOTICES

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