

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse VSIG2 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human VSIG2 or recombinant mouse VSIG1 is observed.
Source	Monoclonal Rat IgG ₁ Clone # 771625
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse VSIG2 Val25-Ala244 (Glu240Asp) Accession # Q9Z109
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.

Immunohistochemistry 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

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.

PRODUCT SPECIFIC NOTICES

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