Mouse VSIG2 Antibody

Monoclonal Rat IgG_1 Clone # 771625

Catalog Number: MAB4766

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
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.

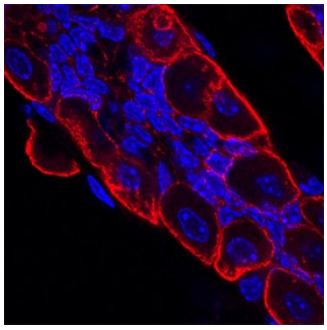
APPLICATIONS

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
Immunohistochemistry	8-25 µg/mL	See Below

DATA

Immunohistochemistry



VSIG2 in Mouse Stomach. VSIG2 was detected in perfusion fixed frozen sections of mouse stomach using Rat Anti-Mouse VSIG2 Monoclonal Antibody (Catalog # MAB4766) at 25 µg/mL overnight at 4 °C. Tissue was stained using the NorthernLights™ 557-conjugated Anti-Rat IgG Secondary Antibody (red; Catalog # NL013) and counterstained with DAPI (blue). Specific staining was localized to the plasma membranes of cells in gastric glands. View our protocol for Fluorescent IHC Staining of Frozen Tissue Sections.

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
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.** ● 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-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.

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