Human VSIG10 Antibody

Monoclonal Mouse IgG_1 Clone # 988622

Catalog Number: MAB9969

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human VSIG10 in direct ELISAs.
Source	Monoclonal Mouse IgG_1 Clone # 988622
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human embryonic kidney cell, HEK293-derived human VSIG10 Met1-Gly413 Accession # Q8N0Z9
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 either lyophilized or as a 0.2 μm filtered solution in PBS.

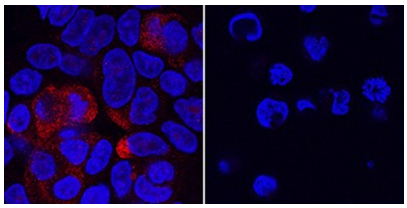
APPLICATIONS

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
Immunocytochemistry	8-25 µg/mL	See Below

DATA

Immunocytochemistry



VSIG10 in RT-4 and MOLT-4 Human Cell Lines. VSIG10 was detected in immersion fixed RT-4 human urinary bladder transitional cell papilloma cell line (left panel) and MOLT-4 human acute lymphoblastic leukemia cell line (negative control; right panel) using Mouse Anti-Human VSIG10 Monoclonal Antibody (Catalog # MAB9969) at 8 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. View our protocol for Fluorescent ICC Staining of Cells on Coverslips.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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.** ● 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

VSIG10 (V-set and immunoglobulin domain-containing protein 10) is a single-pass type I membrane protein of the Ig superfamily. Human VSIG10 cDNA encodes a 540 amino acid (aa) precursor that contains a 30 aa signal sequence, a 383 aa extracellular domain (ECD), a 21 aa transmembrane sequence, and a 106 aa cytoplasmic domain. Human VSIG10 ECD contains four Ig-like C2-type domains and shares 95%, 69% and 71% aa identity with chimpanzee, mouse and rat VSIG10, respectively. VSIG10 is structurally related to the B7 family of immune regulatory proteins.

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