

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
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

Immunocytochemistry 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

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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