Human VSIG1
Alexa Fluor® 647-conjugated Antibody

Recombinant Monoclonal Rabbit IgG Clone # 1314D
Catalog Number: FAB48181R
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human VSIG-1 in direct ELISAs.
Source	Recombinant Monoclonal Rabbit IgG Clone # 1314D
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Mouse myeloma cell line, NS0-derived human VSIG-1 Val22-Gly234 Accession # Q86XK7
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.*

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10^6 cells	HEK293 Human Cell Line Transfected with Human VSIG1 and eGFP

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 A34) is a variably glycosylated 55-70 kDa member of the JAM family of proteins. It has restricted expression, being limited to testicular germ cells plus pancreatic duct and gastric epithelium. VSIG1 is likely to serve as an adhesion molecule. Mature human VSIG1 is 366 amino acids (aa) in length. It is a type I transmembrane glycoprotein that contains a 211 aa extracellular domain (ECD). The ECD contains one V-type (aa 22-132) and one C2-type Ig-like domain (aa 140-227). Over aa 22-234, human VSIG1 is 83% aa identical to both mouse and canine VSIG1. At least one potential splice variant exists in human. It shows an insertion of 36 aa after Ser72 and a deletion of aa 133-387.

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