

Human VSIG4 ELISA Kit | VSIG4 elisa kit

Human VSIG4 ELISA Kit

CATALOG #
AAA258446

REACTIVITY
Human

PRODUCT SYNONYMS

VSIG4; Human VSIG4 ELISA Kit; VSIG4 ELISA Kit; Human; V-set and immunoglobulin domain containing 4; CRlg ELISA Kit; Z39IG ELISA Kit; VSIG4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human VSIG4 concentration in cell lysate.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Lysate
Detection Range	23.44-1500pg/mL
Sensitivity	12.63pg/mL
Conjugation	HRP
Interference	Preparations of APP, FLT4, NEF and GK at 25ng/mL in a mid-range recombinant human VSIG4 control were assayed for interference. No significant interference was observed.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

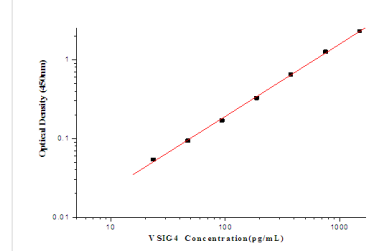
IMAGES

Recombinant human			
APP	FLT4	NEF	GK
TM2P2	IL1	IL2	IL6
IL8	IL33	IL10	IL4
SCF	PDGF	TNF- α	GM-CSF
IFN- γ	VEGF	MIP-1 β	TMF1
Recombinant mouse			
VSIG4			

Application Data

This assay recognizes both recombinant and natural Human VSIG4. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
23.44	0.054
46.88	0.094
93.75	0.170
187.5	0.326
375	0.647
750	1.259
1500	2.308



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for VSIG4 elisa kit	This VSIG4 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human VSIG4 protein in Lysate. It contains recombinant Human VSIG4, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: VSIG4 (V-set and immunoglobulin domain containing 4), also known as complement receptor of the immunoglobulin superfamily (CRlg) and Z39Ig, is a type I transmembrane glycoprotein. It is a B7 family-related protein and an Ig superfamily member. In contrast to the B7 family members which contain two IgG domains, VSIG4 contains one complete V-type I g domain and a truncated C-type I g domain. VSIG4 is exclusively expressed on tissue resident macrophages and binds to multimers of C3b and iC3b that are covalently attached to particle surfaces. No VSIG4 expression appears to be present in T and B cells. VSIG4 functions as a negative regulator of T cell activation, and may be involved in the maintenance of peripheral T cell tolerance, and is also identified as a potent suppressor of established inflammation. Mouse VSIG4 is synthesized as a 28 amino acid precursor that contains a signal sequence, a V-type I g domain (aa 36-115), one potential N-linked glycosylation site, and a single transmembrane domain. The V-type I g domain of mouse VSIG4 shares 86% and 8% aa sequence identity with the V-type I g domains of rat and human VSIG4, respectively.
References	Vogt, L. et al., 2006, J Clin Invest.116: 2817-2826. Helmy, K. et al., 2006, Cell. 124:915-927. Wiesmann, C. et al., 2006, Nature. 444:217-220. Zang, X. et al., 2006, J Clin Invest. 116: 2590-2593. Katschke, KJ. et al., 2007, J. Exp. Med. 204:1319-1325. He, JQ. et al., 2008, Mol Immunol. 45: 4041-4047.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/vsig4/258446>