Datasheet for ABIN7520628

VSIG4 Protein (His tag)

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Overview

Quantity:	20 µg
Target:	VSIG4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VSIG4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human VSIG4 Protein
Sequence:	RPILEVPESV TGPWKGDVNL PCTYDPLQGY TQVLVKWLVQ RGSDPVTIFL RDSSGDHIQQ AKYQGRLHVS HKVPGDVSLQ LSTLEMDDRS HYTCEVTWQT PDGNQVVRDK ITELRVQKLS VSKPTVTTGS GYGFTVPQGM RISLQCQARG SPPISYIWYK QQTNNQEPIK VATLSTLLFK PAVIADSGSY FCTAKGQVGS EQHSDIVKFV VKDSSKLLKT KTEAPTTMTY PLKATSTVKQ SWDWTTDMDG YLGETSAGPG KSLP
Specificity:	Arg20-Pro283
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

Target Details

Target:	VSIG4

Target Details

Alternative Name:	VSIG4 (VSIG4 Products)
Background:	Description: VSIG4 (V-set and immunoglobulin domain containing 4), also known as complement receptor of the immunoglobulin superfamily (CRIg) 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. Name: CRIg,Z39IG,VSIG4,VSIG4,CRIg,Z39IG,VSIG4
Gene ID:	11326
UniProt:	Q9Y279-1

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for long term.|After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.