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VSIG4 Rabbit pAb

Catalog # AP97226

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9Y279
Other Accession	Q9Y279
Reactivity	Rat, Mouse
Predicted	Human, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43987
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human VSIG4
Epitope Specificity	81-160/399
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 2 Ig-like (immunoglobulin-like) domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	T cell activation by APCs is positively and negatively regulated by members of the B7 family. We have identified a previously unknown function for B7 familyrelated protein V-set and Ig domaincontaining 4 (VSIG4). Administration to mice of soluble VSIG4-Ig fusion molecules reduced the induction of T cell responses in vivo and inhibited the production of Th celldependent IgG responses. Unlike that of B7 family members, surface expression of VSIG4 was restricted to resting tissue macrophages and absent upon activation by LPS or in autoimmune inflammatory foci. The specific expression of VSIG4 on resting macrophages in tissue suggests that this inhibitory ligand may be important for the maintenance of T cell unresponsiveness in healthy tissues.

Additional Information

Gene ID	11326
Other Names	CRIg; Z39IG; A530061A11; VSIG4_HUMAN; VSIG4; Protein Z39Ig; V-set and immunoglobulin domain containing 4; complement receptor of the immunoglobulin superfamily
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	VSIG4
Synonyms	CRIg, Z39IG
Function	Phagocytic receptor, strong negative regulator of T-cell proliferation and IL2 production. Potent inhibitor of the alternative complement pathway convertases.
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Abundantly expressed in several fetal tissues. In adult tissues, highest expression in lung and placenta. Expressed in resting macrophages.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.