



HiResNb™ Alpaca Anti-Human VSIG4 Monoclonal antibody, clone A5237 (DMAB- CS24945)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Human VSIG4/CRlg
Target	Human VSIG4
Isotype	VHH
Source/Host	Alpaca
Species Reactivity	Human
Clone	A5237
Purification	Affinity purified
Conjugate	Unconjugated
Applications	ELISA
Format	Liquid
Size	100 µg, 1 mg
Buffer	10mM PBS (pH 7.5)
Preservative	None
Storage	Store at -20°C (Avoid freeze / thaw cycles).

BACKGROUND

Introduction

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 Ig domain and a truncated C-type Ig 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.

Keywords

VSIG4; CRIg; V-set and immunoglobulin domain containing 4; complement receptor of the immunoglobulin superfamily; Z39Ig