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Recombinant Human V-Set and Immunoglobulin Domain-Containing Protein 4 Protein

产品货号: TP04869

第三版

别名:V-Set and Immunoglobulin Domain-Containing Protein 4; Protein Z39Ig; VSIG4; CR1g; Z39IG

描述:V-Set and Immunoglobulin Domain-Containing Protein 4 (VSIG4) is a 45-50 kDa macrophage-specific transmembrane glycoprotein that belongs to the 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 I g domain. VSIG4 is abundantly expressed in several fetal tissues. In adult tissues, the highest expression of VSIG4 is in lung and placenta. It is also expressed in resting macrophages. No VSIG4 expression appears to be present in T and B cells. 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. 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. VSIG4 is a phagocytic receptor, strong negative regulator of T-cell proliferation and IL2 production. It is a potent inhibitor of the alternative complement pathway convertases. Human VSIG4 is 399 amino acids (aa) in length. It is a type I transmembrane (TM) glycoprotein that contains a 264 aa extracellular domain (ECD) (aa 20 - 283) and a 95 aa cytoplasmic region.

配方:PBS

分子量:30.2 kDa

序列:Arg20-Pro283

纯度:> 95% by HPLC

浓度:

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.