HUMAN VSIG4 PROTEIN, HFC TAG

Cat.#: 11633
Product Name: Human VSIG4 Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: CRIg;Z39IG
Target: VSIG4
UNIPROT ID: Q9Y279
Description: Recombinant Human VSIG4 with C-terminal human Fc tag
Background: This gene encodes a v-set and immunoglobulin-domain containing protein that is structurally related to the B7 family of immune regulatory proteins. The encoded protein may be a negative regulator of T-cell responses. This protein is also a receptor for the complement component 3 fragments C3b and iC3b. Alternate splicing results in multiple transcript variants. [provided by RefSeq, May 2010]
Species/Host: HEK293
Molecular Weight: The protein has a predicted molecular mass of 55.3 kDa after removal of the signal peptide. The apparent molecular mass of VSIG4-hFc is approximately 55-70 kDa due to glycosylation.
Molecular Characterization: VSIG4(Arg20-Pro283) hFc(Glu99-Ala330)
Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.
Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

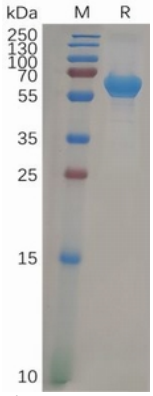

Figure 1. Human VSIG4 Protein, hFc Tag on SDS-PAGE under reducing condition.

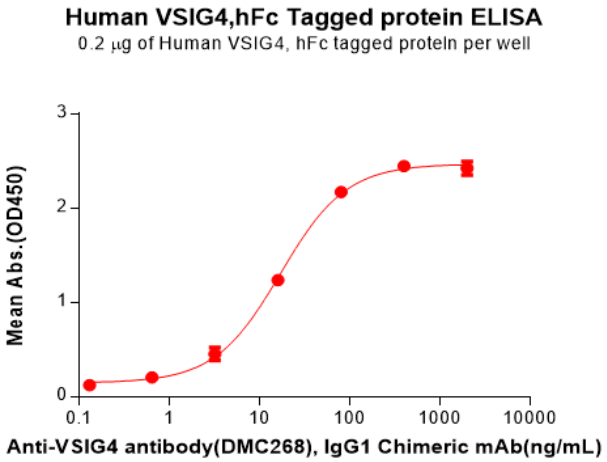

Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human VSIG4 Protein, hFc Tag(11633) can bind Anti-VSIG4 antibody(DMC268), IgG1 Chimeric mAb in a linear range of 3.20-80 ng/mL.