HUMAN ICAM-1 PROTEIN, MFC TAG

Cat.#: 11186
Product Name: Human ICAM-1 Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: ICAM1;B2;D54;3.58
Target: ICAM-1
UNIPROT ID: P05362
Description: Recombinant human ICAM-1 protein with C-terminal mouse Fc tag
Background: This gene encodes a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor.
Species/Host: HEK293
Molecular Weight: The protein has a predicted molecular mass of 75.7 kDa after removal of the signal peptide.The apparent molecular mass of ICAM-1-mFc is approximately 90-120 kDa due to glycosylation.
Molecular Characterization: ICAM-1(Gln48-Glu480) mFc(Pro99-Lys330)
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.

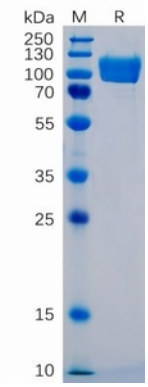

Figure 1. Human ICAM-1 Protein, mFc Tag on SDS-PAGE under reducing condition.

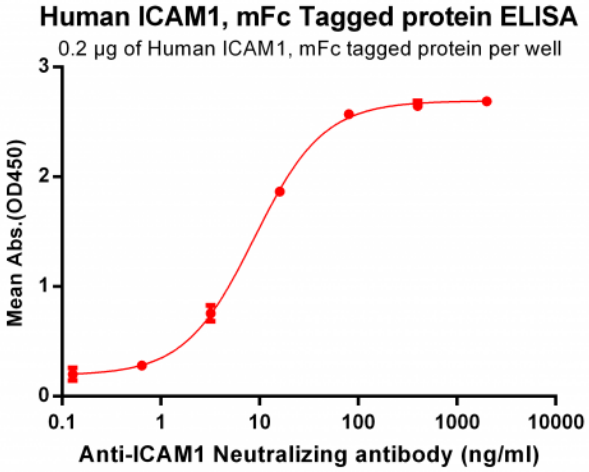

Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human ICAM1, mFc tagged protein (11186) can bind Anti-ICAM1 Antibody 28045 in a linear range of 0.64-80.0 ng/ml.

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