

PRODUCT INFORMATION

|                              |                                                                                                                                                                                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target                       | ICAM-1                                                                                                                                                                                                                                              |
| Synonyms                     | ICAM1;BB2;CD54;P3.58                                                                                                                                                                                                                                |
| Description                  | Recombinant human ICAM-1 protein with C-terminal mouse Fc tag                                                                                                                                                                                       |
| Delivery                     | In Stock                                                                                                                                                                                                                                            |
| Uniprot ID                   | P05362                                                                                                                                                                                                                                              |
| Expression Host              | HEK293                                                                                                                                                                                                                                              |
| Tag                          | C-Mouse Fc Tag                                                                                                                                                                                                                                      |
| Molecular Characterization   | ICAM-1(Gln28-Glu480) mFc(Pro99-Lys330)                                                                                                                                                                                                              |
| 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.                                                             |
| Purity                       | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.                                                                                                                                                |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.                                                    |
| 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. |
| Sterility                    | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.                                                                                                           |
| 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.      |
| Usage                        | Research use only                                                                                                                                                                                                                                   |
| Conjugate                    | Unconjugated                                                                                                                                                                                                                                        |



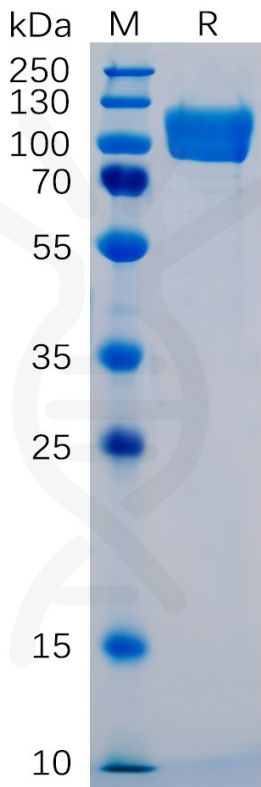


Figure 1. Human ICAM-1 Protein, mFc Tag on SDS-PAGE under reducing condition.

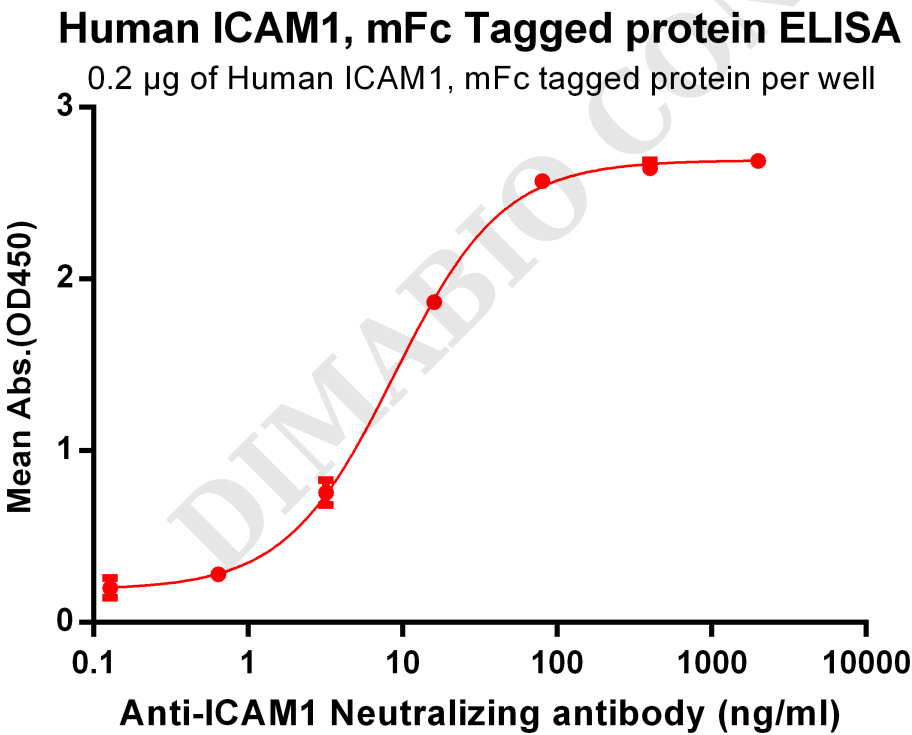


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human ICAM1, mFc tagged protein (PME100062) can bind Anti-ICAM1 Antibody BME100036 in a linear range of 0.64-80.0 ng/ml.

