

PRODUCT INFORMATION

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| Target | CD6 |
| Synonyms | TP120 |
| Description | Recombinant human CD6 protein with C-terminal 6×His tag |
| Delivery | In Stock |
| Uniprot ID | P30203 |
| Expression Host | HEK293 |
| Tag | C-6×His Tag |
| Molecular Characterization | CD6(His18-Glu398) 6×His tag |
| Molecular Weight | The protein has a predicted molecular mass of 41.4 kDa after removal of the signal peptide. The apparent molecular mass of CD6-His is approximately 55-100 kDa due to glycosylation. |
| Purity | The purity of the protein is greater than 85% 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. |
| Background | This gene encodes a protein found on the outer membrane of T-lymphocytes as well as some other immune cells. The encoded protein contains three scavenger receptor cysteine-rich (SRCR) domains and a binding site for an activated leukocyte cell adhesion molecule. The gene product is important for continuation of T cell activation. This gene may be associated with susceptibility to multiple sclerosis (PMID: 19525953, 21849685). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011] |
| Usage | Research use only |
| Conjugate | Unconjugated |



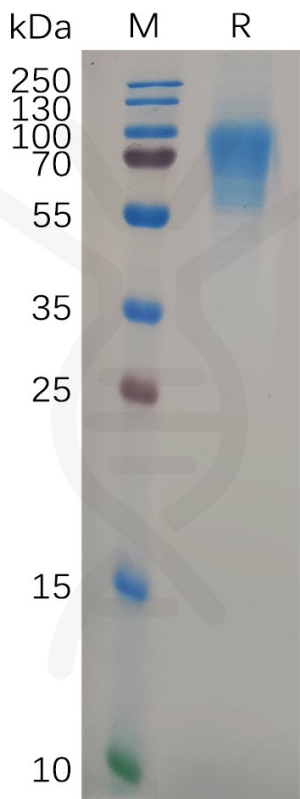


Figure 1. Human CD6 Protein, His Tag on SDS-PAGE under reducing condition.

Human CD6, His Tagged protein ELISA
0.2 µg of Human CD6, His tagged protein per well

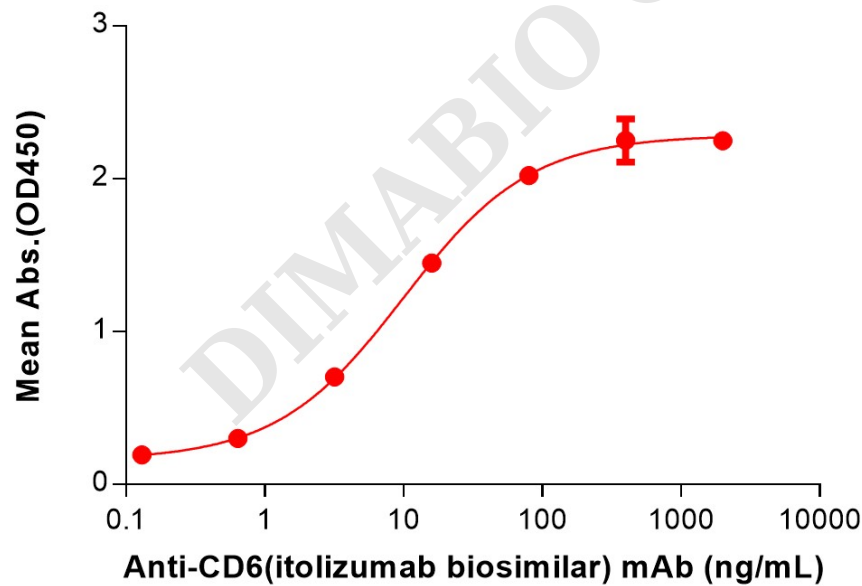


Figure 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human CD6 Protein, His Tag (PME101039) can bind Anti-CD6(itolizumab biosimilar) mAb (BME100214) in a linear range of 0.64-80 ng/mL.

