

**PRODUCT INFORMATION**

<b>Target</b>	CD6
<b>Synonyms</b>	TP120
<b>Description</b>	Recombinant human CD6 protein with C-terminal 6×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P30203
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-6×His Tag
<b>Molecular Characterization</b>	CD6(His18-Glu398) 6×His tag
<b>Molecular Weight</b>	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.
<b>Purity</b>	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage &amp; Shipping</b>	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.
<b>Background</b>	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]
<b>Usage</b>	Research use only



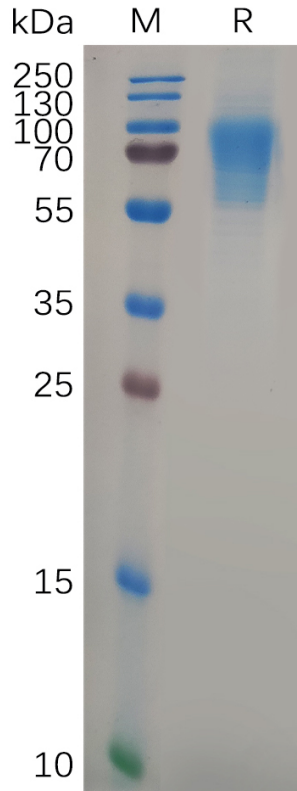


Figure 1. Human CD6 Protein, His Tag on SDS-PAGE under reducing condition.

### Human CD6, His Tagged protein ELISA

0.2  $\mu$ g of Human CD6, His tagged protein per well

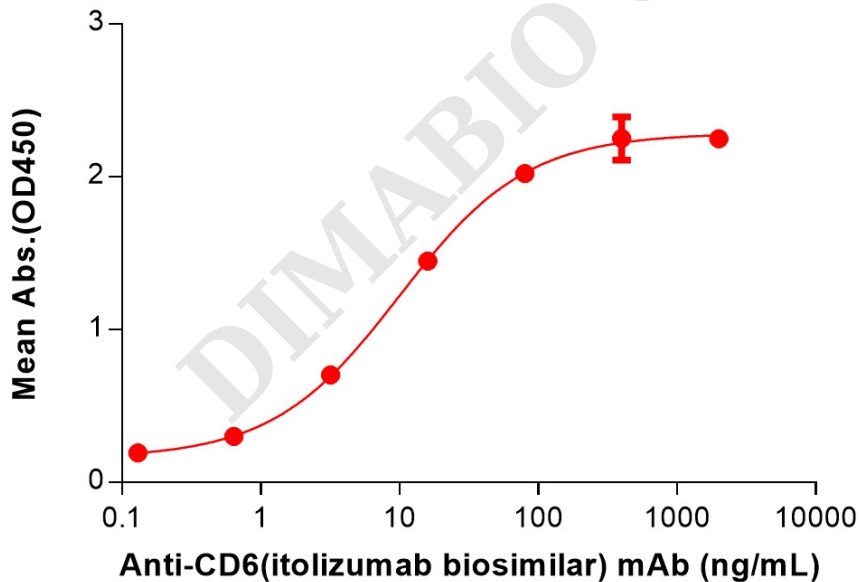


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human CD6 Protein, His Tag (PME101039) can bind Anti-CD6(itolizumab biosimilar) mAb (BME100214) in a linear range of 0.64–80 ng/mL.

