PRODUCT INFORMATION

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

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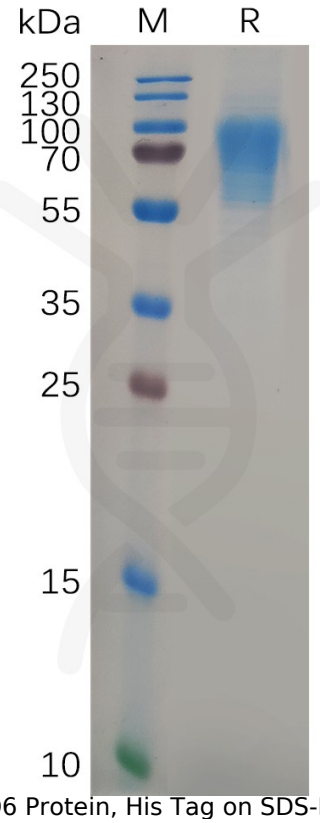


Figure 1. Human CD6 Protein, His Tag on SDS-PAGE under reducing condition.

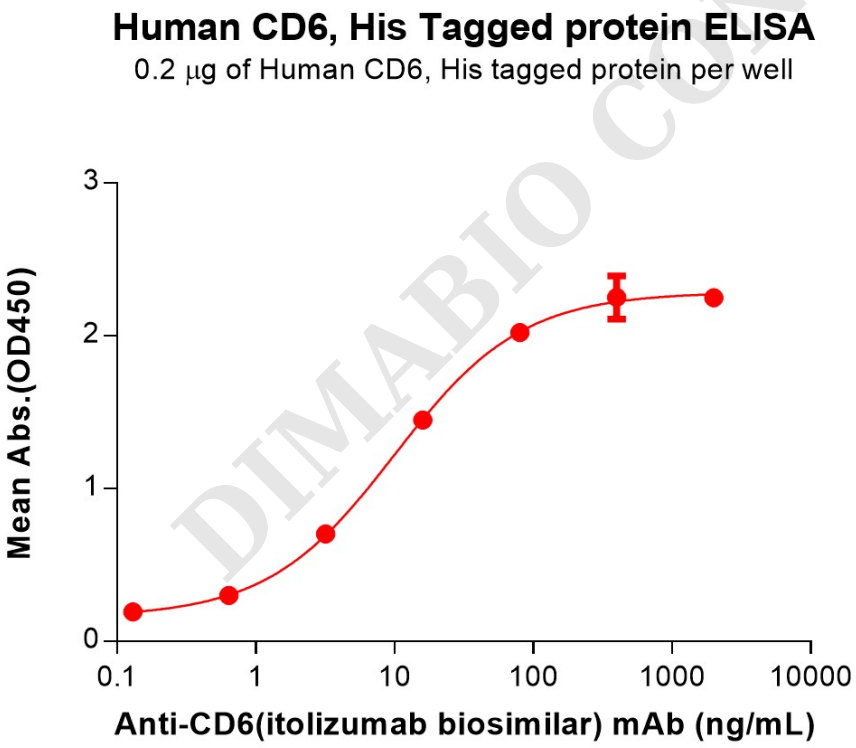


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human CD6 Protein, His Tag (PME101039) can bind Anti-CD6(itolizumab biosimilar) mAb (BME100214) in a linear range of 0.64–80 ng/mL.

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