PRODUCT INFORMATION

Target	LAG3
Synonyms	LAG-3;CD223
Description	Recombinant Human LAG3 Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P18627
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	LAG3(Leu23-Leu450) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 47.0 kDa after removal of the signal peptide. The apparent molecular mass of LAG3-His is approximately 55-70 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.
Background	Lymphocyte-activation protein 3 belongs to Ig superfamily and contains 4 extracellular Ig-like domains. The LAG3 gene contains 8 exons. The sequence data, exon/intron organization, and chromosomal localization all indicate a close relationship of LAG3 to CD4. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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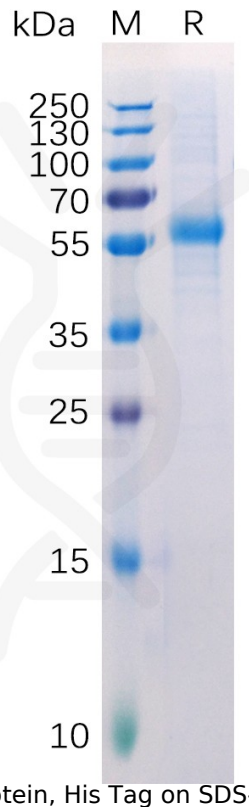


Figure 1. Human LAG3 Protein, His Tag on SDS-PAGE under reducing condition.

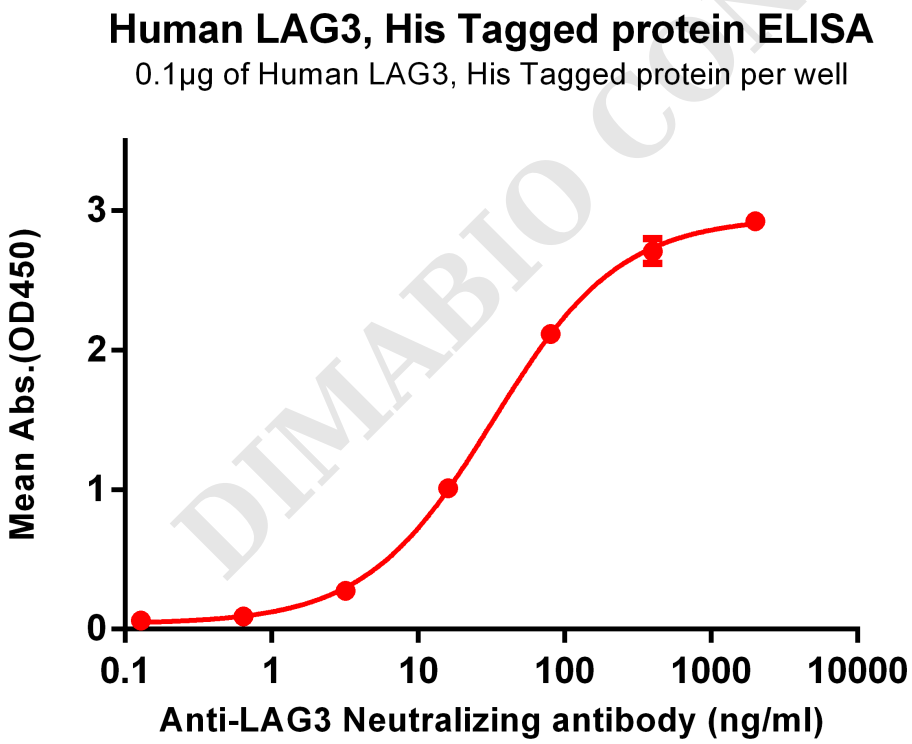


Figure 2. ELISA plate pre-coated by 1 μg/ml (100 μl/well) Human LAG3 , His tagged protein (PME100512) can bind Anti-LAG3 Neutralizing antibody BME100062 in a linear range of 16-80ng/ml.

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