PRODUCT INFORMATION

Target	CD19
Synonyms	CD19;B4;CVID3;MGC12802
Description	Recombinant human CD19 Protein with C-terminal Human Fc and 6×His tag
Delivery	In Stock
Uniprot ID	P15391
Expression Host	HEK293
Tag	C-Human Fc and 6×His Tag
Molecular Characterization	CD19(Pro20-Lys291) hFc(Glu99-Ala330) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 57.1 kDa after removal of the signal peptide.The apparent molecular mass of CD19-hFc-His is approximately 70-100 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	Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.
Usage	Research use only
Conjugate	Unconjugated

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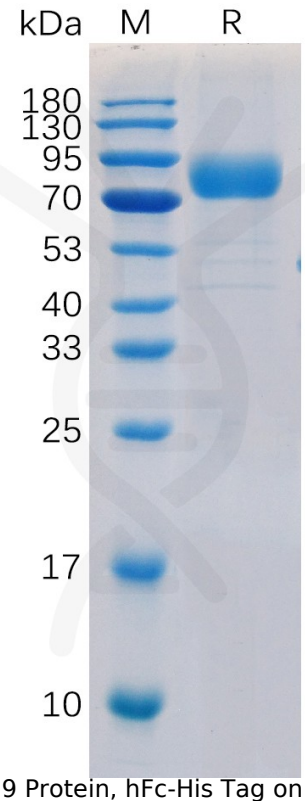


Figure 1.Human CD19 Protein, hFc-His Tag on SDS-PAGE under reducing condition.

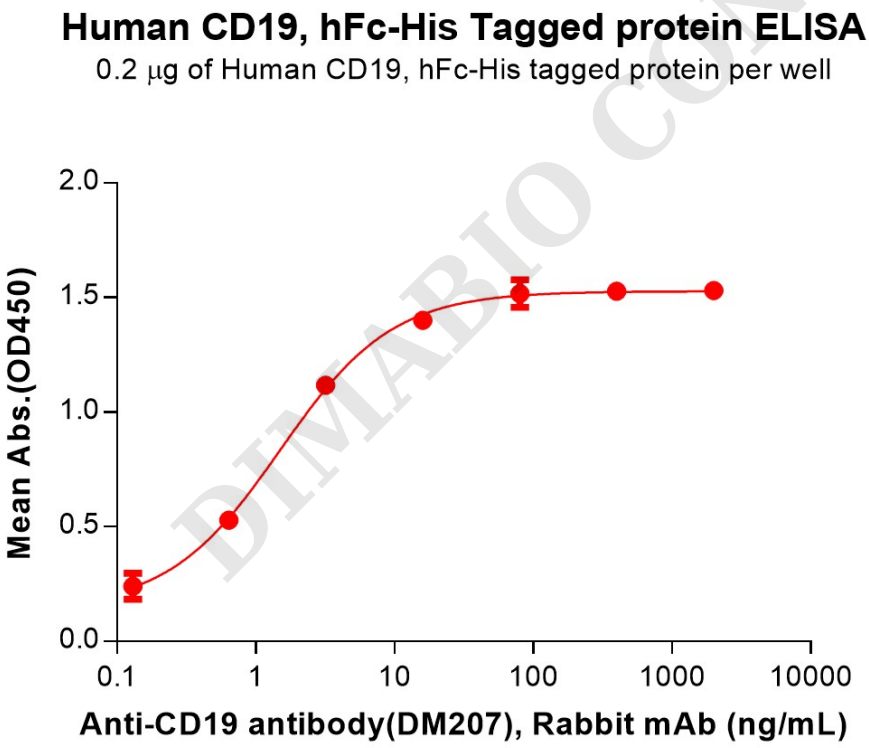


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human CD19 Protein, hFc-His tag (PME100038) can bind Anti-CD19 antibody(DM207), Rabbit mAb in a linear range of 0.13–3.20 ng/mL.

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