

## PRODUCT INFORMATION

<b>Target</b>	CD19
<b>Synonyms</b>	CD19;B4;CVID3;MGC12802
<b>Description</b>	Recombinant human CD19 Protein with C-terminal Human Fc and 6×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P15391
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc and 6×His Tag
<b>Molecular Characterization</b>	CD19(Pro20-Lys291) hFc(Glu99-Ala330) 6×His tag
<b>Molecular Weight</b>	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.
<b>Purity</b>	The purity of the protein is greater than 95% 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>	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.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



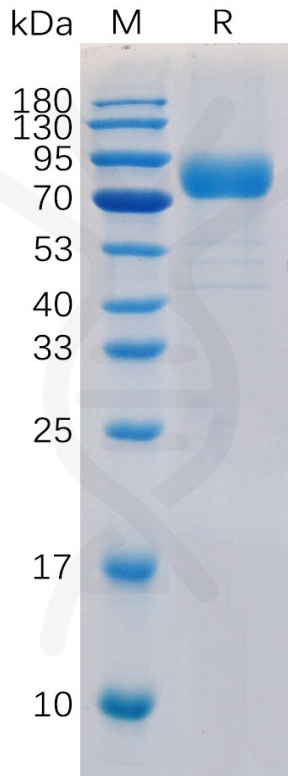


Figure 1. Human CD19 Protein, hFc-His Tag on SDS-PAGE under reducing condition.

### Human CD19, hFc-His Tagged protein ELISA

0.2  $\mu$ g of Human CD19, hFc-His tagged protein per well

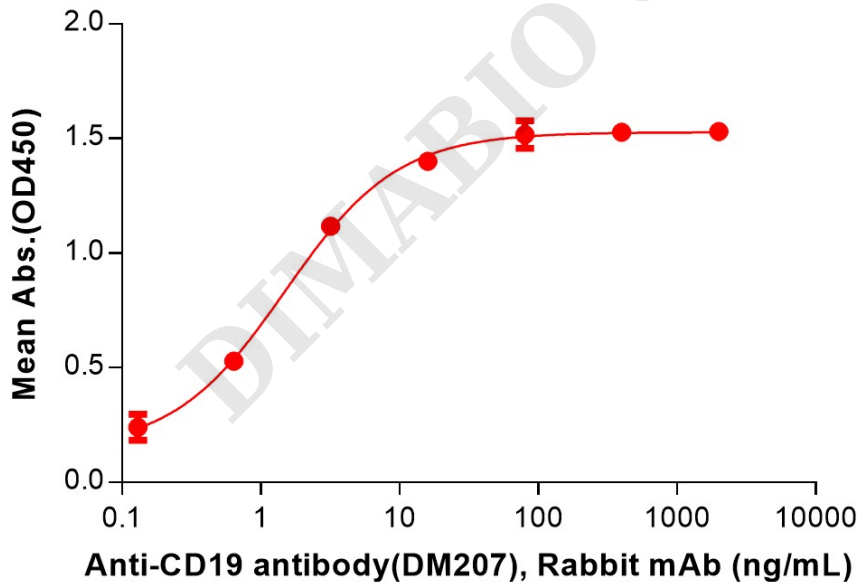


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human CD19 Protein, hFc-His tag (PME100038) can bind Anti-CD19 antibody(DM207), Rabbit mAb in a linear range of 0.13-3.20 ng/mL.

