

**PRODUCT INFORMATION**

<b>Target</b>	CD19
<b>Synonyms</b>	B4, CVID3, MGC12802
<b>Description</b>	Recombinant human CD19 protein with C-terminal mouse Fc Avi tag
<b>Delivery</b>	In STOCK
<b>Uniprot ID</b>	P15391
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Mouse Fc Avi tag
<b>Molecular Characterization</b>	CD19(Pro20-Lys291)+mFc(Pro99-Lys330)+Avi tag
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 58.2 kDa after removal of the signal peptide.
<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.
<b>Sterility</b>	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
<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>	Biotinylated



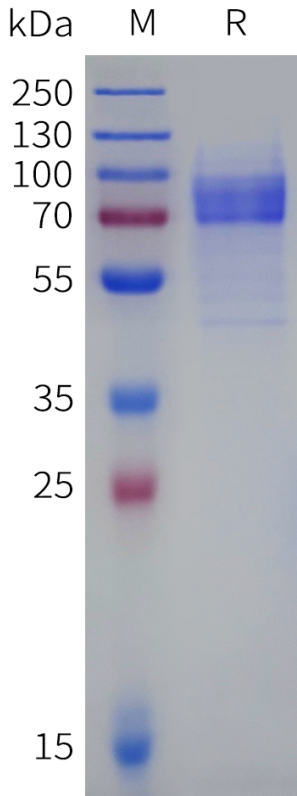


Figure 1. Biotinylated Human CD19 Protein, mFc Tag on SDS-PAGE under reducing condition.

### Biotinylated Human CD19, mFc Tagged Protein ELISA

0.2  $\mu$ g of Anti-CD19 antibody(16B8), IgG1 Chimeric mAb per well

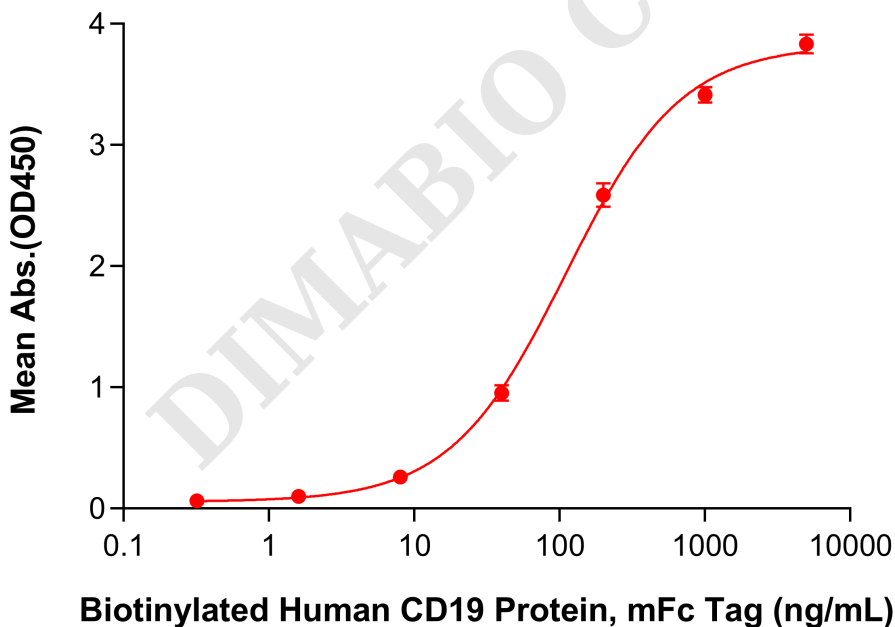


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Anti-CD19 antibody(16B8), IgG1 Chimeric mAb (DMC101150) can bind Biotinylated Human CD19 Protein, mFc Tag (PME100781B) in a linear range of 40-200 ng/mL. In order to specifically detect PME100781B, HRP Conjugated-Streptavidin was used as detection antibody.

