

**PRODUCT INFORMATION**

<b>Target</b>	CLEC12A
<b>Synonyms</b>	CLEC12A;M1CL;CLL-1;CLL1;DCAL2;DCAL-2;CD371
<b>Description</b>	Recombinant human CLEC12A Protein with C-terminal 6×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q5QGZ9
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-6×His Tag
<b>Molecular Characterization</b>	CLEC12A(His65-Ala265) 6×His tag
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 24.6 kDa after removal of the signal peptide. The apparent molecular mass of CLEC12A-His is approximately 35-55 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>	This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signaling, glycoprotein turnover, and roles in inflammation and immune response. The protein encoded by this gene is a negative regulator of granulocyte and monocyte function. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. This gene is closely linked to other CTL/CTLD superfamily members in the natural killer gene complex region on chromosome 12p13.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



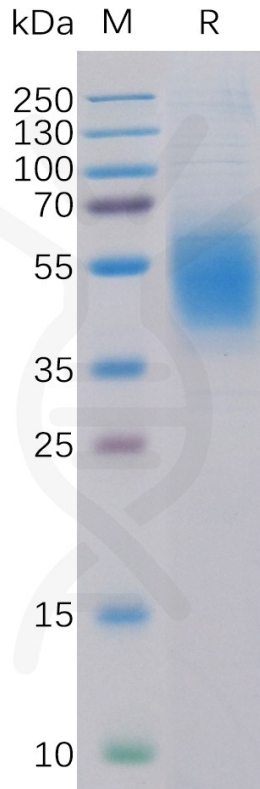


Figure 1. Human CLEC12A Protein, His Tag on SDS-PAGE under reducing condition.

### Human CLEC12A, His Tagged protein ELISA

0.2  $\mu\text{g}$  of Human CLEC12A, His tagged protein per well

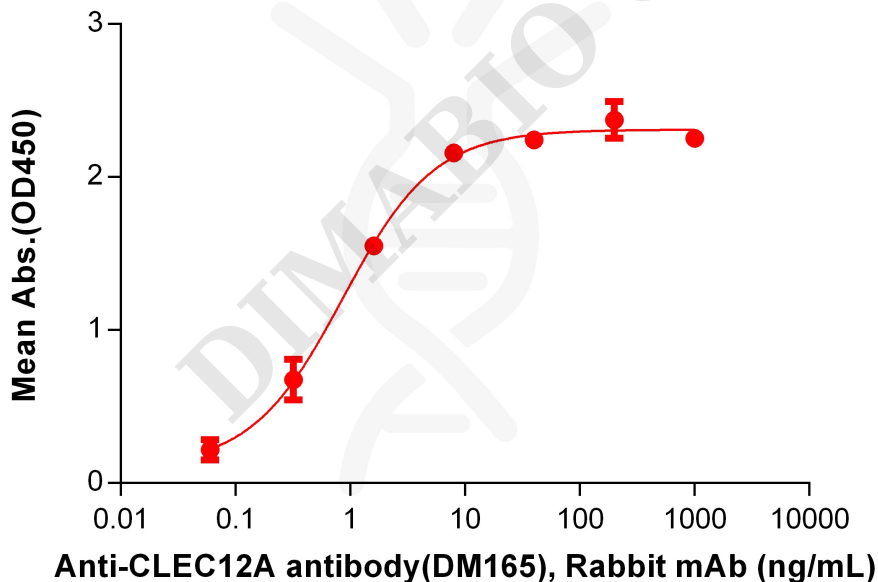


Figure 2. ELISA plate pre-coated by 2  $\mu\text{g}/\text{mL}$  (100  $\mu\text{L}/\text{well}$ ) Human CLEC12A Protein, His Tag (PME100096) can bind Anti-CLEC12A antibody(DM165), Rabbit mAb in a linear range of 0.32-1.60 ng/mL.

