

**PRODUCT INFORMATION**

<b>Target</b>	CD83
<b>Synonyms</b>	BL11;HB15
<b>Description</b>	Recombinant Human CD83 Protein with C-terminal human Fc tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q01151
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc Tag
<b>Molecular Characterization</b>	CD83(Thr20-Ala143) hFc(Glu99-Ala330)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 40.2 kDa after removal of the signal peptide. The apparent molecular mass of CD83-hFc is approximately 35-70 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 90% 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>	The protein encoded by this gene is a single-pass type I membrane protein and member of the immunoglobulin superfamily of receptors. The encoded protein may be involved in the regulation of antigen presentation. A soluble form of this protein can bind to dendritic cells and inhibit their maturation. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated





Figure 1. Human CD83 Protein, hFc Tag on SDS-PAGE under reducing condition.

### Human CD83, hFc Tagged protein ELISA

0.2  $\mu$ g of Human CD83, hFc tagged protein per well

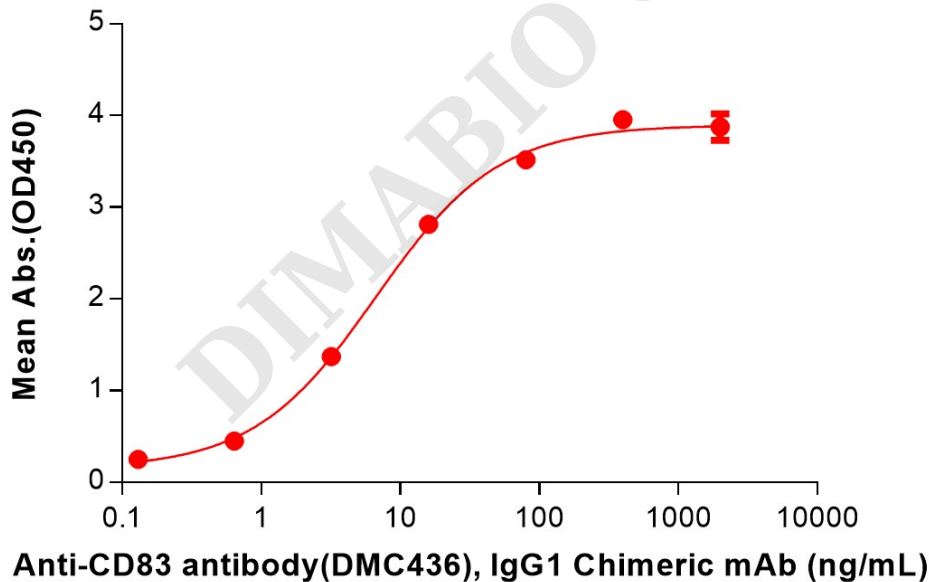


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human CD83 Protein, hFc Tag (PME100596) can bind Anti-CD83 antibody (DMC436), IgG1 Chimeric mAb in a linear range of 0.64-16 ng/mL.

