PRODUCT INFORMATION

Target	CD83
Synonyms	BL11;HB15
Description	Recombinant Human CD83 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q01151
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	CD83(Thr20-Ala143) hFc(Glu99-Ala330)
Molecular Weight	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.
Purity	The purity of the protein is greater than 90% 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	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]
Usage	Research use only
Conjugate	Unconjugated

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Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

Email: info@dimabio.com
Website: www.dimabio.com



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

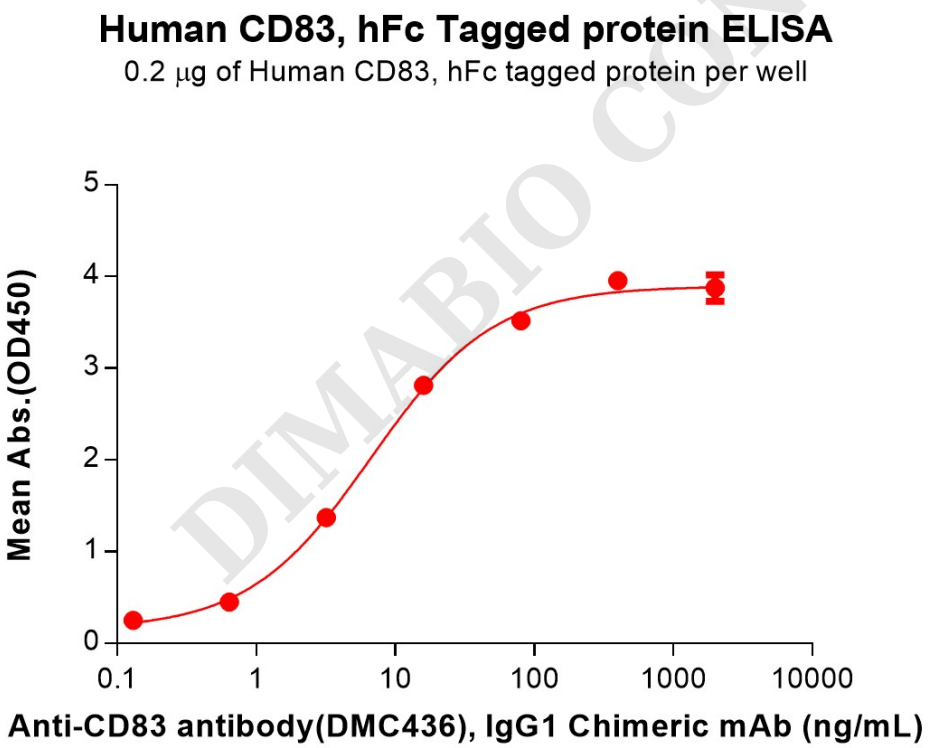


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human CD83 Protein, hFc Tag (PME100596) can bind Anti-CD83 antibody(DMC436), IgG1 Chimeric mAb in a linear range of 0.64–16 ng/mL.

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