PRODUCT INFORMATION

Target	IL19
Synonyms	IL-10C;MDA1;NG.1;ZMDA1
Description	Recombinant Human IL19 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q9UHD0
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	IL19(Leu25-Ala177) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 43.9 kDa after removal of the signal peptide. The apparent molecular mass of IL19-hFc is approximately 35-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% 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 cytokine that belongs to the IL10 cytokine subfamily. This cytokine is found to be preferentially expressed in monocytes. It can bind the IL20 receptor complex and lead to the activation of the signal transducer and activator of transcription 3 (STAT3). A similar cytokine in mouse is reported to up-regulate the expression of IL6 and TNF-alpha and induce apoptosis, which suggests a role of this cytokine in inflammatory responses. Alternatively spliced transcript variants encoding the distinct isoforms have been described. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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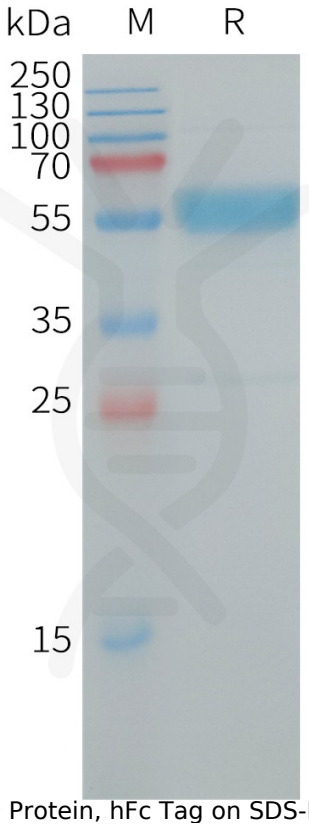


Figure 1.Human IL19 Protein, hFc Tag on SDS-PAGE under reducing condition.

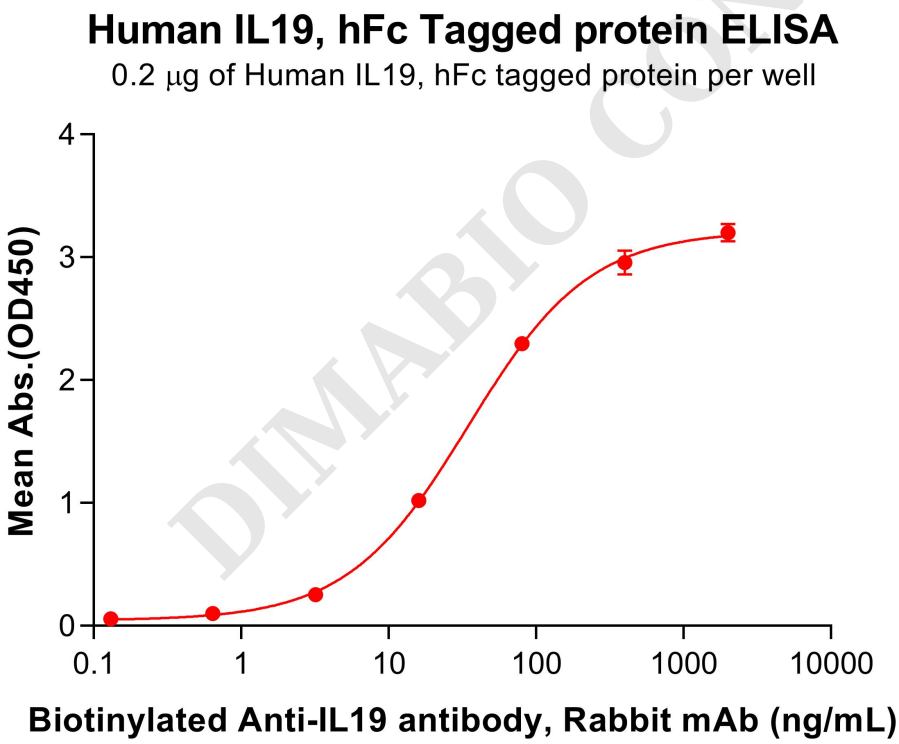


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human IL19 Protein, hFc Tag (PME101250) can bind Biotinylated Anti-IL19 antibody, Rabbit mAb (DME101184B) in a linear range of 16–80 ng/mL.

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