

**PRODUCT INFORMATION**

<b>Target</b>	CRLF2
<b>Synonyms</b>	CRL2;TSLPR;CRLF2Y
<b>Description</b>	Recombinant Human CRLF2 Protein with C-terminal 6XHis tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q9HC73
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-6×His Tag
<b>Molecular Characterization</b>	CRLF2(Gln23-Lys231) 6×His tag
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 25.0 kDa after removal of the signal peptide. The apparent molecular mass of CRLF2-His is approximately 25-55 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 85% 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 type I cytokine receptor family. The encoded protein is a receptor for thymic stromal lymphopoietin (TSLP). Together with the interleukin 7 receptor (IL7R), the encoded protein and TSLP activate STAT3, STAT5, and JAK2 pathways, which control processes such as cell proliferation and development of the hematopoietic system. Rearrangement of this gene with immunoglobulin heavy chain gene (IGH) on chromosome 14, or with P2Y purinoceptor 8 gene (P2RY8) on the same X or Y chromosomes is associated with B-progenitor acute lymphoblastic leukemia (ALL) and Down syndrome ALL. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2014]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



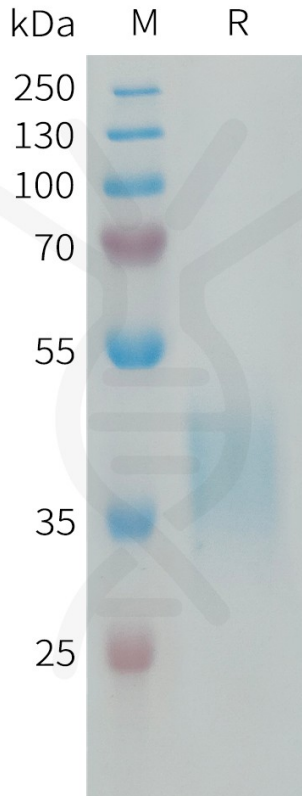


Figure 1. Human CRLF2 Protein, His Tag on SDS-PAGE under reducing condition.

### Human CRLF2, His Tagged protein ELISA

0.2 µg of Human CRLF2, His tagged protein per well

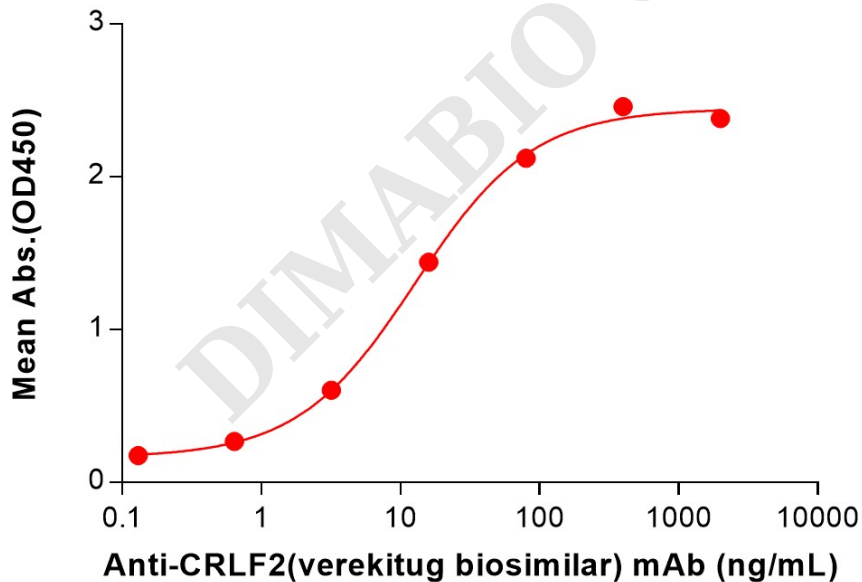


Figure 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human CRLF2 Protein, His Tag (PME100213) can bind Anti-CRLF2(verekitug biosimilar) mAb (BME100723) in a linear range of 3.20-400 ng/mL.

