

CRLF2 Antibody / TSLP Receptor (RQ4215)

Catalog No.	Formulation	Size
RQ4215	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9HC73
Applications	Western Blot : 0.5-1ug/ml ELISA (Capture) : 0.1-0.5ug/ml
Limitations	This CRLF2 antibody is available for research use only.



Western blot testing of 1ng of recombinant human protein with CRLF2 antibody at 0.5ug/ml. Expected molecular weight: 42-50 kDa, observed here at 65-75 kDa.

Description

Cytokine receptor-like factor 2 is a protein that in humans is encoded by the CRLF2 gene. 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.

Application Notes

Optimal dilution of the CRLF2 antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids A26-K231 was used as the immunogen for the CRLF2 antibody.

Storage

After reconstitution, the CRLF2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.