
CRLF2 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254531

Unit: 0.1 mg

Description:

Cytokine Receptor-Like Factor 2 (CRLF2 or TSLPR) is a type I membrane receptor that forms a functional heterodimeric complex with IL7R to bind TSLP. The CRLF2 contains a WSXWS motif required for proper protein folding and a box1 motif important for association with the JAKs. CRLF2 has a predicted molecular weight approximately 41 kDa, and two further isoforms have been reported that are produced by alternative splicing. CRLF2 is expressed preferentially in myeloid cells including dendritic cells and activated monocytes, and is weakly expressed in T cells. Expression has also been reported in heart, skeletal muscle, and kidney tissues. TSLP binding to the heterodimeric functional receptor (TSLPR and IL7R) activates JAK2, STAT3 and STAT5 to stimulate cell proliferation. Ligand receptor interactions have been implicated in the development of the hematopoietic system, dendritic cell maturation, and the maintenance and polarization of human Th2 memory T cells in allergic diseases.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 0.1 mg/ml BSA, 25% glycerol with 0.09% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Cytokine receptor-like factor 2; Cytokine receptor-like 2; IL-XR; Thymic stromal lymphopoietin protein receptor; TSLP Receptor; CRL2; ILXR; TSLPR; CRLF2

Accession No.: Q9HC73

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CRLF2.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.