

## Rabbit Anti-CRLF2/Cy5 Conjugated antibody

SL2727R-Cy5

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|--------------------------|--|
| <b>Product Name</b>      | Anti-CRLF2/Cy5   |
| <b>Chinese Name</b>      | Cy5 标记的胸腺基质 lymphocyte 生成素受体抗体   |
| <b>Alias</b>             | TSLPR; CRLF2; CRL 2; CRL2; CRLF 2; CRLF2Y; Cytokine receptor CRL2 precursor; Cytokine receptor like 2; Cytokine receptor like factor 2; Cytokine receptor like factor 2 precursor; IL XR; ILXR; Thymic stromal derived lymphopoietin receptor; Thymic stromal lymphopoietin protein receptor; Thymic stromal lymphopoietin receptor; TSLP receptor; TSLPR.                               |
| <b>Research Area</b>     | immunology The cell membrane 受体  |
| <b>Immunogen Species</b> | Rabbit   |
| <b>Clonality</b>         | Polyclonal   |
| <b>React Species</b>     | (predicted:Human)<br>ICC/IF=1:50-200,IF=1:100-500  |
| <b>Applications</b>      | not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.  |
| <b>Molecular weight</b>  | 38kDa  |
| <b>Form</b>              | Lyophilized or Liquid  |
| <b>Concentration</b>     | 1mg/ml   |
| <b>immunogen</b>         | KLH conjugated synthetic peptide derived from human CRLF2  |
| <b>Lsotype</b>           | IgG  |
| <b>Purification</b>      | affinity purified by Protein A   |
| <b>Storage Buffer</b>    | 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.<br>Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| <b>Storage</b>           |  |
| <b>Product Detail</b>    | <b>background:</b><br>TSLPR is a type I membrane receptor that forms a functional heterodimeric complex with IL7R to bind TSLP. The TSLP R contains a WSXWS motif required for proper protein folding and a box1 motif important for association with the JAKs. TSLPR has a predicted molecular weight approximately 41  |

kD, and two further isoforms have been reported that are produced by alternative splicing. The TSLPR 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.

**Function:**

Receptor for thymic stromal lymphopoietin (TSLP). Forms a functional complex with TSLP and IL7R which is capable of stimulating cell proliferation through activation of STAT3 and STAT5. Also activates JAK2 (By similarity). Implicated in the development of the hematopoietic system.

**Subunit:**

Heterodimer of CRLF2 and IL7R.

**Subcellular Location:**

Isoform 1: Cell membrane; Single-pass type I membrane protein (Probable).  
Isoform 2: Secreted (Probable).

**Tissue Specificity:**

Expressed in heart, skeletal muscle, kidney and adult and fetal liver. Primarily expressed in dendrites and monocytes. Weakly expressed in T-cells.

**Similarity:**

Belongs to the type I cytokine receptor family. Type 5 subfamily.  
Contains 1 fibronectin type-III domain.

**Database links:**

[Entrez Gene: 64109](#) Human

[Omim: 300357](#) Human

[Omim: 400023](#) Human

[SwissProt: Q9HC73](#) Human

[Unigene: 287729](#) Human

**Important Note:**



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