

## Product datasheet

# Anti-CRLF2 antibody [EPR22478-133] ab224196

Recombinant **RabMAb**

[3 Images](#)

### Overview

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-CRLF2 antibody [EPR22478-133]  |
| <b>Description</b>         | Rabbit monoclonal [EPR22478-133] to CRLF2   |
| <b>Host species</b>        | Rabbit  |
| <b>Tested applications</b> | <b>Suitable for:</b> Flow Cyt<br><b>Unsuitable for:</b> ICC/IF, IHC-P, IP or WB   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human   |
| <b>Immunogen</b>           | Synthetic peptide within Human CRLF2 aa 50-150. The exact sequence is proprietary.<br>Database link: <a href="#">Q9HC73</a>   |
| <b>Positive control</b>    | Flow Cyt: Human PBMCs.  |
| <b>General notes</b>       | Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .<br><br>This product is a <a href="#">recombinant rabbit monoclonal antibody</a> . |

### Properties

|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| <b>Storage buffer</b>       | Preservative: 0.01% Sodium azide<br>Constituents: PBS, 0.05% BSA, 40% Glycerol  |
| <b>Purity</b>               | Protein A purified  |
| <b>Clonality</b>            | Monoclonal  |
| <b>Clone number</b>         | EPR22478-133  |
| <b>Isotype</b>              | IgG   |

### Applications

Our [Abpromise guarantee](#) covers the use of **ab224196** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|-------|
| Flow Cyt    |           | 1/60. |

**Application notes** Is unsuitable for ICC/IF, IHC-P, IP or WB.

## Target

**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.

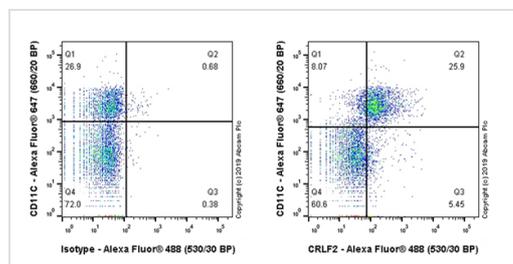
**Tissue specificity** Expressed in heart, skeletal muscle, kidney and adult and fetal liver. Primarily expressed in dendrites and monocytes. Weakly expressed in T-cells.

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

**Domain** The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The box 1 motif is important for association with JAKs.

**Cellular localization** Secreted and Cell membrane.

## Images



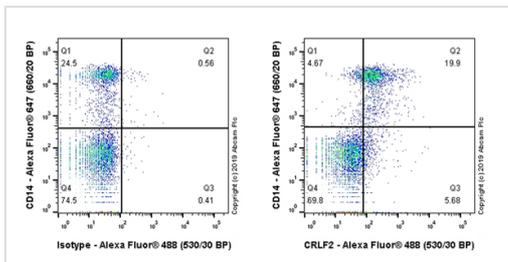
Flow Cytometry - Anti-CRLF2 antibody [EPR22478-133] (ab224196)

Flow cytometric analysis of human peripheral blood mononuclear cells labeling CRLF2 with ab224196 at 1/60 dilution (Right compared with a Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730) (Left).

Goat Anti-Rabbit IgG Fc (Alexa Fluor® 488) preadsorbed (ab150097), at 1/5000 dilution was used as the secondary antibody.

Cells were stained with rabbit IgG (Left) or ab224196 (Right). Then stained with anti-CD11c conjugated to Alexa Fluor® 647.

Gated on viable cells.



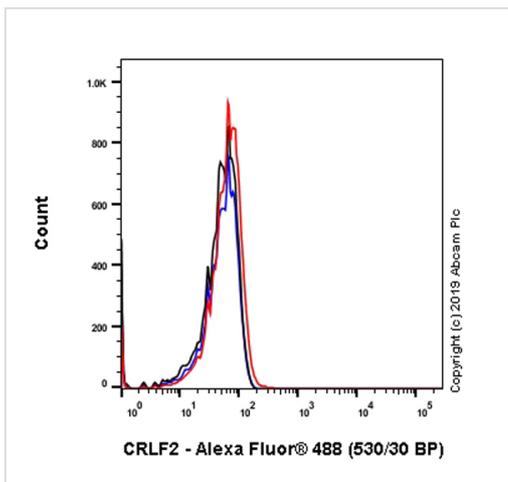
Flow Cytometry - Anti-CRLF2 antibody [EPR22478-133] (ab224196)

Flow cytometric analysis of human peripheral blood mononuclear cells labeling CRLF2 with ab224196 at 1/60 dilution (Right compared with a Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730) (Left).

Goat Anti-Rabbit IgG Fc (Alexa Fluor® 488) preadsorbed (ab150097), at 1/5000 dilution was used as the secondary antibody.

Cells were stained with rabbit IgG (Left) or ab224196 (Right). Then stained with anti-CD14 conjugated to Alexa Fluor® 647

Gated on viable cells.



Flow Cytometry - Anti-CRLF2 antibody [EPR22478-133] (ab224196)

Flow cytometric analysis of LNCaP (human prostate cancer cell line) cells labeling CRLF2 with abX224196 at 1/60 dilution (red) compared with a Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730) (black) and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (blue).

Goat Anti-Rabbit IgG Fc (Alexa Fluor® 488) preadsorbed (ab150097), at 1/5000 dilution was used as the secondary antibody.

**Negative control:** LNCaP (PMID: 20236697). Gated on viable cells.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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