

Product datasheet

Anti-CXCR5 antibody [EPR8837] (Alexa Fluor® 647)  
ab223979

Recombinant RabMAb

3 Images

Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-CXCR5 antibody [EPR8837] (Alexa Fluor® 647)   |
| <b>Description</b>         | Rabbit monoclonal [EPR8837] to CXCR5 (Alexa Fluor® 647)  |
| <b>Host species</b>        | Rabbit   |
| <b>Conjugation</b>         | Alexa Fluor® 647. Ex: 652nm, Em: 668nm   |
| <b>Tested applications</b> | <b>Suitable for:</b> Flow Cyt, ICC/IF  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human<br><b>Predicted to work with:</b> Mouse, Rat ▲   |
| <b>Immunogen</b>           | Synthetic peptide corresponding to Human CXCR5 aa 350-450 (C terminal).<br>Database link: <a href="#">P32302</a>   |
| <b>Positive control</b>    | ICC/IF: Raji cells. Flow Cyt: Raji cells   |
| <b>General notes</b>       | This product is a recombinant monoclonal antibody, which offers several advantages including:<br><ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . |

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

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Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or [outlicensing@thermofisher.com](mailto:outlicensing@thermofisher.com).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

## Properties

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|                             |  |
|-----------------------------|--|
| <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. Store In the Dark. |
| <b>Storage buffer</b>       | pH: 7.40<br>Preservative: 0.02% Sodium azide<br>Constituents: PBS, 30% Glycerol, 1% BSA  |
| <b>Purity</b>               | Immunogen affinity purified  |
| <b>Clonality</b>            | Monoclonal   |
| <b>Clone number</b>         | EPR8837  |
| <b>Isotype</b>              | IgG  |

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab223979** 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    |           | 1/5000. |

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| Application | Abreviews | Notes   |
|-------------|-----------|---|
| ICC/IF      |           | 1/1000.<br>This product gave a positive signal in Raji cells fixed with 4% formaldehyde (10 min) and 80% methanol (5 min) |

## Target

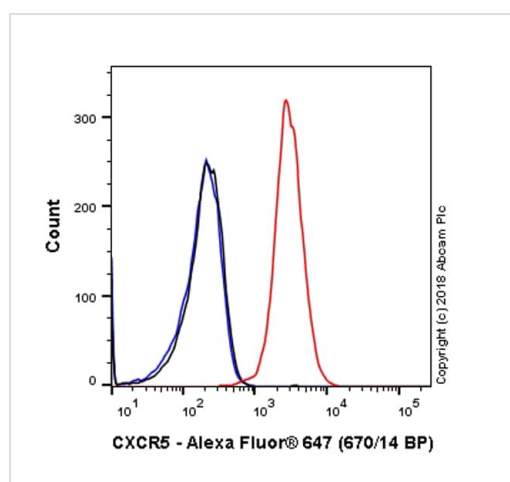
**Function** Cytokine receptor that binds to B-lymphocyte chemoattractant (BLC). Involved in B-cell migration into B-cell follicles of spleen and Peyer patches but not into those of mesenteric or peripheral lymph nodes. May have a regulatory function in Burkitt lymphoma (BL) lymphomagenesis and/or B-cell differentiation.

**Tissue specificity** Expression in mature B-cells and Burkitt lymphoma cells.

**Sequence similarities** Belongs to the G-protein coupled receptor 1 family.

**Cellular localization** Cell membrane.

## Images

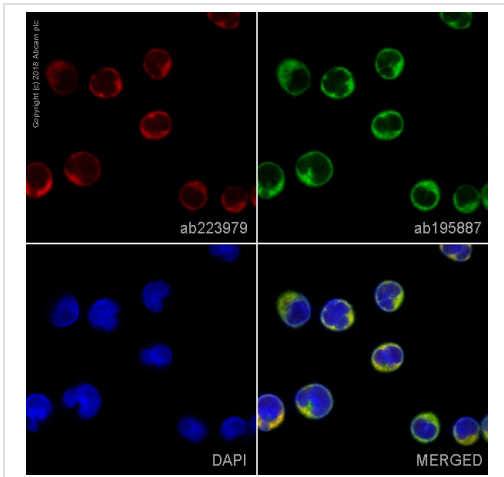


Flow Cytometry - Anti-CXCR5 antibody [EPR8837]  
(Alexa Fluor® 647) (ab223979)

Overlay histogram showing Raji cells stained with ab223979 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Triton X-100 for 15 min. The cells were then incubated in 1x PBS / 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (ab223979, 1/5000 dilution) for 30 min at 22°C.

Isotype control antibody (black line) was Rabbit IgG (monoclonal) Alexa Fluor® 647 (ab199093) used at the same concentration and conditions as the primary antibody. Unlabelled sample (blue line) was also used as a control.

Acquisition of >5,000 events were collected using a 40 mW Red laser (640nm) and 670/14 bandpass filter.







Immunocytochemistry/ Immunofluorescence - Anti-CXCR5 antibody [EPR8837] (Alexa Fluor® 647) (ab223979)

ab223979 staining CXCR5 in Raji cells. The cells were fixed with 80% methanol (5 min) and then incubated in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h to permeabilize the cells and block non-specific protein-protein interactions. The cells were then incubated overnight at +4°C with ab223979 at 1/1000 dilution (shown in red) and ab195887, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 488), at 1/250 dilution (shown in green). Nuclear DNA was labelled with DAPI (shown in blue).

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

This product also gave a positive signal under the same testing conditions in Raji cells fixed with 4% formaldehyde (10 min).

**Why choose a recombinant antibody?**

|  |  |
|--|--|
|  <p><b>Research with confidence</b><br/>Consistent and reproducible results</p> |  <p><b>Long-term and scalable supply</b><br/>Recombinant technology</p> |
|  <p><b>Success from the first experiment</b><br/>Confirmed specificity</p>      |  <p><b>Ethical standards compliant</b><br/>Animal-free production</p>   |

Anti-CXCR5 antibody [EPR8837] (Alexa Fluor® 647) (ab223979)

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

## **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## **Terms and conditions**

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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors