


## Product datasheet

# Anti-IL-22 antibody [EPR5741] - BSA and Azide free ab174534

Recombinant RabMAb

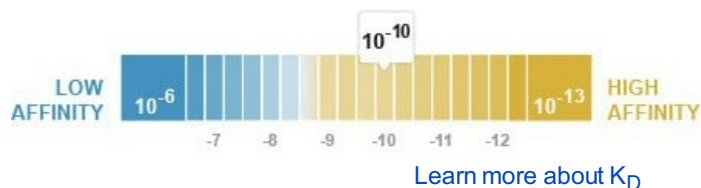
3 Images

### Overview

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name</b>        | Anti-IL-22 antibody [EPR5741] - BSA and Azide free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>         | Rabbit monoclonal [EPR5741] to IL-22 - BSA and Azide free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Host species</b>        | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Tested applications</b> | <b>Suitable for:</b> WB<br><b>Unsuitable for:</b> ICC, IHC-P or IP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Recombinant fragment<br><b>Predicted to work with:</b> Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Immunogen</b>           | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>General notes</b>       | <p>ab174534 is the carrier-free version of <a href="#">ab133545</a> This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.</p> <p>Our <a href="#">carrier-free formats</a> are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.</p> <p>Use our <a href="#">conjugation kits</a> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>Ab174534 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.<br/><i>Maxpar® is a trademark of Fluidigm Canada Inc.</i></p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb® patents</a>.</p> |

## Properties

|                                              |                                               |
|----------------------------------------------|-----------------------------------------------|
| <b>Form</b>                                  | Liquid                                        |
| <b>Storage instructions</b>                  | Shipped at 4°C. Store at +4°C. Do Not Freeze. |
| <b>Dissociation constant (K<sub>D</sub>)</b> | K <sub>D</sub> = 6.75 x 10 <sup>-10</sup> M   |



|                       |                   |
|-----------------------|-------------------|
| <b>Storage buffer</b> | Constituent: PBS  |
| <b>Carrier free</b>   | Yes               |
| <b>Purity</b>         | Affinity purified |
| <b>Clonality</b>      | Monoclonal        |
| <b>Clone number</b>   | EPR5741           |
| <b>Isotype</b>        | IgG               |

## Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab174534 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

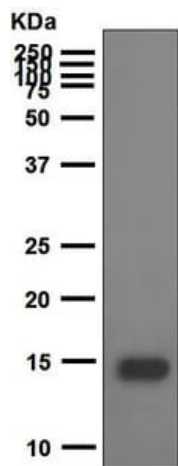
| Application | Abreviews | Notes                                                                        |
|-------------|-----------|------------------------------------------------------------------------------|
| WB          |           | Use at an assay dependent concentration. Predicted molecular weight: 20 kDa. |

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

## Target

|                              |                                                                 |
|------------------------------|-----------------------------------------------------------------|
| <b>Function</b>              | Cytokine that contributes to the inflammatory response in vivo. |
| <b>Sequence similarities</b> | Belongs to the IL-10 family.                                    |
| <b>Cellular localization</b> | Secreted.                                                       |

## Images

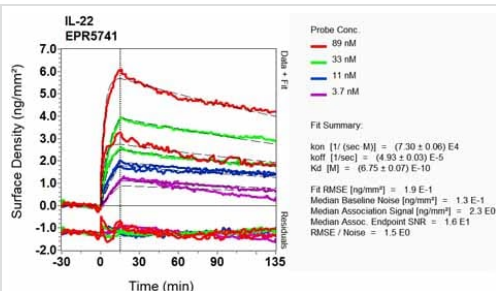


Western blot - Anti-IL-22 antibody [EPR5741] - BSA and Azide free (ab174534)

Anti-IL-22 antibody [EPR5741] ([ab133545](#)) at 1/50000 dilution + full-length IL22 recombinant protein at 0.01 µg

**Predicted band size:** 20 kDa

This data was developed using [ab133545](#), the same antibody clone in a different buffer formulation.



OIR-D Scanning - Anti-IL-22 antibody [EPR5741] - BSA and Azide free (ab174534)

This data was developed using [ab133545](#), the same antibody clone in a different buffer formulation. Equilibrium disassociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-IL-22 antibody [EPR5741] - BSA and Azide free  
(ab174534)

**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

---

- 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

---

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