

Product datasheet

Anti-IL-17RA Receptor antibody [EPR22831-5] - BSA and Azide free ab267402

KO VALIDATED Recombinant RabMAb

2 Images

Overview

| | |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name | Anti-IL-17RA Receptor antibody [EPR22831-5] - BSA and Azide free |
| Description | Rabbit monoclonal [EPR22831-5] to IL-17RA Receptor - BSA and Azide free |
| Host species | Rabbit |
| Tested applications | Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF or IHC-P |
| Species reactivity | Reacts with: Human |
| Immunogen | Recombinant fragment within Human IL-17RA Receptor aa 1-350. The exact sequence is proprietary. Database link: Q96F46 |
| Positive control | WB: Wild-type HAP1, THP-1 and K-562 lysates. |
| General notes | ab267402 is the carrier-free version of ab263908 . This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes. |

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

Use our [conjugation kits](#) for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm.

Maxpar[®] is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

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

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

| | |
|-----------------------------|-----------------------------------------------|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C. Do Not Freeze. |
| Storage buffer | pH: 7.2 Constituent: PBS |
| Carrier free | Yes |
| Purity | Protein A purified |
| Clonality | Monoclonal |
| Clone number | EPR22831-5 |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab267402** in the following tested applications.

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

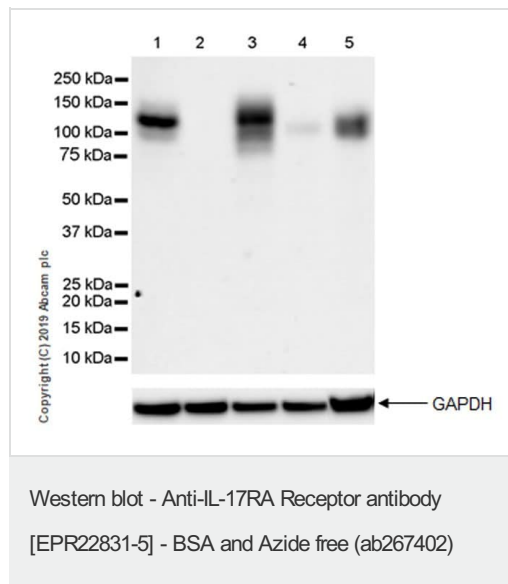
| Application | Abreviews | Notes |
|-------------|-----------|------------------------------------------------------------------------------|
| WB | | Use at an assay dependent concentration. Predicted molecular weight: 96 kDa. |

Application notes Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

Target

| | |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Function | Receptor for IL17A and IL17F. Binds its IL17A ligand with low affinity, suggesting that additional components are involved in IL17A-induced signaling. |
| Tissue specificity | Widely expressed. |
| Involvement in disease | Defects in IL17RA are the cause of familial candidiasis type 5 (CANDF5) [MIM:613953]. CANDF5 is a rare disorder with altered immune responses and impaired clearance of fungal infections, selective against Candida. It is characterized by persistent and/or recurrent infections of the skin, nails and mucous membranes caused by organisms of the genus Candida, mainly Candida albicans. |
| Sequence similarities | Contains 1 SEFIR domain. |
| Post-translational modifications | Glycosylated. |
| Cellular localization | Membrane. |

Images



All lanes : Anti-IL-17RA Receptor antibody [EPR22831-5] ([ab263908](#)) at 1/1000 dilution

Lane 1 : Wild-type HAP1 whole cell lysate

Lane 2 : IL-17RA Receptor knockout HAP1 whole cell lysate

Lane 3 : THP-1 (human monocytic leukemia monocyte) whole cell lysate

Lane 4 : MOLT-4 (human lymphoblastic leukemia t lymphoblast) whole cell lysate

Lane 5 : K-562 (human chronic myelogenous leukemia lymphoblast) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 96 kDa

Blocking and diluting buffer and concentration: 5% NFDm/TBST

[ab263908](#) was shown to specifically react with IL-17RA Receptor in wild-type HAP1 cells as signal was lost in IL-17RA Receptor knockout cells. Wild-type and IL-17RA Receptor knockout samples were subjected to SDS-PAGE. [ab263908](#) and [ab181602](#) (Rabbit anti-GAPDH loading control) were incubated 1 hour at room

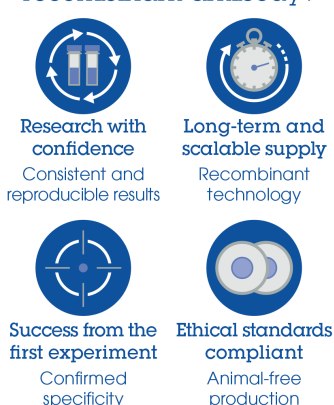
temperature at 1/1000 dilution and 1/200,000 dilution respectively. Blots were developed with Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) secondary antibody at 1/100,000 dilution for 1 hour at room temperature before imaging. The blot was developed on a BIO-RAD® ChemiDoc™ MP instrument using the ECL technique.

The expression profile/ molecular weight observed is consistent with what has been described in the literature (PMID: 30604628)

Exposure time: 37 seconds

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab263908](#)).

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-17RA Receptor antibody [EPR22831-5] - BSA and Azide free ([ab267402](#))

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
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- 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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