

Product datasheet

Anti-beta 2 Defensin/BD-2 antibody ab9871

★★★★☆ [2 Abreviews](#) [8 References](#)

Overview

Product name	Anti-beta 2 Defensin/BD-2 antibody
Description	Goat polyclonal to beta 2 Defensin/BD-2
Host species	Goat
Tested applications	Suitable for: Sandwich ELISA, Neutralising, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein corresponding to Human beta 2 Defensin/BD-2 aa 1 to the C-terminus. Highly pure (>98%) recombinant Human beta 2 Defensin/hBD-2. Full length mature beta 2 Defensin hBD-2 used as immunogen. Database link: O15263 Run BLAST with Run BLAST with
Positive control	recombinant beta 2 Defensin/BD-2 ab9872
General notes	<p>hBD-2 is a antimicrobial peptide, which belongs to the distinct family of beta-defensins.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&As</p>

Properties

Form	Lyophilized:Centrifuge vial prior to opening. Reconstitute with 200µl of sterile water. Please note that if you receive this product in liquid form it has already been reconstituted as described, then no further reconstitution is necessary. The lyophilized antibody is stable for at least 2 years from date of receipt at -20C. The reconstituted antibody is stable for at least two weeks at 2-8C. Frozen aliquots are stable for at least 6 months when stored at -20C. Avoid repeated freeze-thaw cycles.
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.20 Constituent: PBS

Purity	Immunogen affinity purified
Primary antibody notes	hBD-2 is a antimicrobial peptide, which belongs to the distinct family of beta-defensins.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab9871 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
Sandwich ELISA		Use at an assay dependent concentration. To detect beta 2 Defensin/hBD-2 by sandwich ELISA (using 100 ul/well antibody solution) a concentration of 0.5 - 2.0 ug/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with ab83509 as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant beta 2 Defensin/hBD-2.
Neutralising		Use at an assay dependent concentration. To yield one-half maximal inhibition [ND50] of the biological activity of Human beta 2 Defensin/hBD-2 (1.0 ug/ml), a concentration of 5.0 - 8.0 ug/ml of this antibody is required.
WB	★★★★★ (1)	Use at an assay dependent concentration. Predicted molecular weight: 7 kDa. To detect beta 2 Defensin/hBD-2 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 ug/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant beta 2 Defensin/hBD-2 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions

Target

Function	Has antibacterial activity.
Tissue specificity	Expressed in the skin and respiratory tract.
Sequence similarities	Belongs to the beta-defensin family. LAP/TAP subfamily.
Cellular localization	Secreted.

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