

Datasheet: AHP1802

BATCH NUMBER 151177

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| Description: | RABBIT ANTI HUMAN DEFENSIN BETA 3 |
| Specificity: | DEFENSIN BETA 3 |
| Other names: | BD-3 |
| Format: | Purified |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 0.1 mg |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry | | | ▪ | |
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | ▪ | | | 0.5 - 2.0ug/ml |
| Immunoprecipitation | | | ▪ | |
| Western Blotting | ▪ | | | 0.1 - 0.2ug/ml |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

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| Target Species | Human |
| Product Form | Purified IgG - lyophilised |
| Reconstitution | <p>Reconstitute with 0.1ml distilled water</p> <p>Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.</p> |

Antiserum Preparation Antiserum to human defensin beta 3 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.

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| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | None present |
| Carrier Free | Yes |
| Approx. Protein Concentrations | IgG concentration 1.0mg/ml after reconstitution |
| Immunogen | Recombinant human defensinβ-3 |
| External Database Links | <p>UniProt: P81534 Related reagents</p> <p>Entrez Gene: 55894 DEFB103B Related reagents</p> |
| Synonyms | BD3, DEFB103, DEFB3 |
| RRID | AB_2091838 |
| Specificity | <p>Rabbit anti human Defensinβ-3 polyclonal antibody recognizes human defensin beta 3 (BD-3), a 45aa ~5 kDa cationic non-haemolytic antimicrobial peptide expressed by epithelial cells and member of the beta-defensin family. Defensin beta 3 is highly expressed in the skin and tonsils and at lower levels in other tissues(Harder et al. 2001).</p> <p>Defensin beta 3 plays an important role in the innate immune response to potentially pathogenic microbes, including multiresistant <i>S. aureus</i> and vancomycin-resistant <i>E. faecium</i>.</p> |
| ELISA | This purified human Defensin β -3 antibody may be used in an indirect ELISA with recombinant human Defensinβ-3 (PHP211) as the standard. |
| References | 1. Boesch, A.W. <i>et al.</i> (2013) A multiplexed assay to detect antimicrobial peptides in biological fluids and cell secretions. J Immunol Methods. 397 (1-2): 71-6. |
| Further Reading | 1. Harder, J. <i>et al.</i> (2001) Isolation and characterization of human beta -defensin-3, a novel human inducible peptide antibiotic. J Biol Chem. 276: 5707-13. |
| Storage | <p>Prior to reconstitution store at -20°C. After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p> |
| Guarantee | 6 months from date of despatch |

**Health And Safety
Information**

Material Safety Datasheet documentation #10162 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP1802>
10162

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com | Worldwide | Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com |
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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