

Datasheet: AHP1802

BATCH NUMBER 158764

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.

Target Species	Human
Product Form	Purified IgG - lyophilised
Reconstitution	Reconstitute with 0.1ml distilled water 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.

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.

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 Defensinβ-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

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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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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