

Data Sheet

HUMAN β -DEFENSIN 3 (aa 6-22)

ANTIBODY, MONOCLONAL

Catalog no.:	AE1050.1 / AE1050.2
Immunogen:	Synthetic human β -Defensin 3 (aa 6-22) (LQKYYCRVRGGRCVAVLS)
Synonyms:	hBD-3, Beta-defensin 103, DEFB-3, Defensin-like protein
Swiss-Prot No:	P81534
Gene Information:	Gene Name: DEFB103A, BD3, DEFB103, DEFB3 and DEFB103B GeneID: 55894 and 414325
Host:	Mouse Balb/c
Clone no.:	L3-18b-E1
Isotype:	IgG ₁
Matrix:	Cell culture supernatant, Protein G purified, 50 mM TRIS pH 7.4
Specificity:	Human β -Defensin 3 (aa 6-22), rat β -Defensin 3 There was no cross reactivity obtained with human β -Defensin 1, β -Defensin 2, and β -Defensin 4.
Contents:	10 μ g / 100 μ g (lyophilized) Resuspend in 10 μ l / 100 μ l aqua bidest.
Known applications:	ELISA, RIA, Western Blot ¹ , immunohistochemistry (paraffin sections, 1:50) ¹ This antibody has not been tested for use in all applications. This does not necessarily exclude its use for non-tested procedures. The stated dilutions are recommendations only. We suggest that the applicant titrates the antibody in his/her system using appropriate negative/positive controls.
Store at:	2-8 °C (lyophilized); -20 °C (dissolved) Repeated thawing and freezing must be avoided
References:	1. Wu Q, Gui P, Yao S, Zhu H, Li J, Li Y (2011) Expression of beta-Defensin-3 in Lungs of Immunocompetent Rats with Methicillin-Resistant Staphylococcus aureus Ventilator-Associated Pneumonia. <i>The Journal of surgical research</i> 169 (2): 277-283.

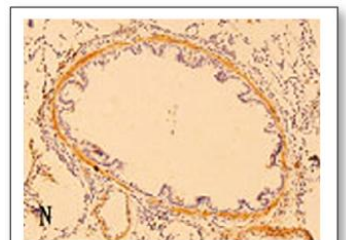


Figure 1: Immunohistochemistry image of β -Defensin 3 staining in paraffin section of rat lung tissue. Antigen retrieval was performed in 0.01 M sodium citrate buffer at 55–58°C for 5 min. The section was incubated with AE1050 (1:50) overnight and detected using a biotinylated secondary antibody in combination with a streptavidin-peroxidase conjugate. DAB was used as the chromogen. The section was counterstained with hematoxylin. AE1050 stains the bronchiolar epithelium in methicillin-resistant *Staphylococcus aureus*-inoculated rats. Original magnification: x200.

Wu Q et al. (2011) *J Surg Res* 169(2): 277-283



A horizontal banner with six segments: an orange square with the word 'Antibodies', a microscopic image of cells, a light green square, a yellow-green microscopic image of cells, a light blue square, and a yellow square with the 'immundiagnostik' logo.

Antibodies

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