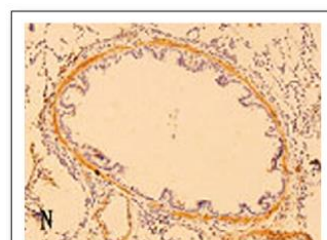


## Data Sheet

# HUMAN $\beta$ -DEFENSIN 3 (aa 6-22)

## ANTIBODY, MONOCLONAL

<b>Catalog no.:</b>	AE1050.1 / AE1050.2
<b>Immunogen:</b>	Synthetic human $\beta$ -Defensin 3 (aa 6-22) (LQKYCRVRGGRCVLS)
<b>Synonyms:</b>	hBD-3, Beta-defensin 103, DEFB-3, Defensin-like protein
<b>Swiss-Prot No:</b>	P81534
<b>Gene Information:</b>	Gene Name: DEFB103A, BD3, DEFB103, DEFB3 and DEFB103B GeneID: 55894 and 414325
<b>Host:</b>	Mouse Balb/c
<b>Clone no.:</b>	L3-18b-E1
<b>Isotype:</b>	IgG <sub>1</sub>
<b>Matrix:</b>	Cell culture supernatant, Protein G purified, 50 mM TRIS pH 7.4
<b>Specificity:</b>	Human $\beta$ -Defensin 3 (aa 6-22), rat $\beta$ -Defensin 3  There was no cross reactivity obtained with human $\beta$ -Defensin 1, $\beta$ -Defensin 2, and $\beta$ -Defensin 4.
<b>Contents:</b>	10 $\mu$ g / 100 $\mu$ g (lyophilized)  Resuspend in 10 $\mu$ l / 100 $\mu$ l aqua bidest.
<b>Known applications:</b>	ELISA, RIA, Western Blot <sup>1</sup> , immunohistochemistry (paraffin sections, 1:50) <sup>1</sup>  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.
<b>Store at:</b>	2-8 °C (lyophilized); - 20 °C (dissolved)  Repeated thawing and freezing must be avoided
<b>References:</b>	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> <b>169</b> (2); 277-283.
<b>Last updated on:</b>	22 April 2022

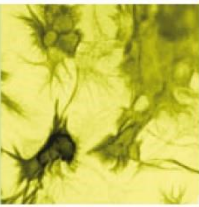
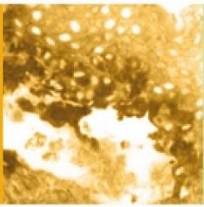


**Figure 1:** Immunohistochemistry image of  $\beta$ -Defensin 3 staining in paraffin section of rat lung tissue. Antigen retrieval was performed in 0.01 M sodium citrate buffer at 55–58°C for 5 min. The section was incubated with AE1050 (1:50) overnight and detected using a biotinylated secondary antibody 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



Antibodies



**For research use only**

**Publishing research using AE1050? Please let us know so that we can cite your publication as a reference.**



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