

Data Sheet

HUMAN β -DEFENSIN 4 (aa 3-39)

ANTIBODY, MONOCLONAL

Catalog no.:	AE1046.1 / AE1046.2
Immunogen:	Synthetic human β -Defensin 4 (aa 3-39) (ELDRICGYGTARCRKKCRSQEYRIGRCPNTYACCLRK)
Synonyms:	hBD-4, Beta-defensin 104, DEFB-4
Swiss-Prot No:	Q8WTQ1
Gene Information:	Gene Name: DEFB104A, DEFB104, DEFB4 and DEFB104B GeneID: 140596 and 503618
Host:	Mouse Balb/c
Clone no.:	L13-10-D1
Isotype:	IgG ₁
Matrix:	Cell culture supernatant, Protein G purified, 50 mM TRIS pH 7.4
Specificity:	Human β -Defensin 4 (aa 3-39), human β -Defensin 4 There was cross reactivity obtained with human β -Defensin 1, β -Defensin 2, and β -Defensin 3.
Contents:	10 μ g / 100 μ g (lyophilized) Resuspend in 10 μ l / 100 μ l aqua bidest.
Known applications:	ELISA, RIA, Western Blot, immunohistochemistry (paraffin sections, 1 μ g/ml) 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

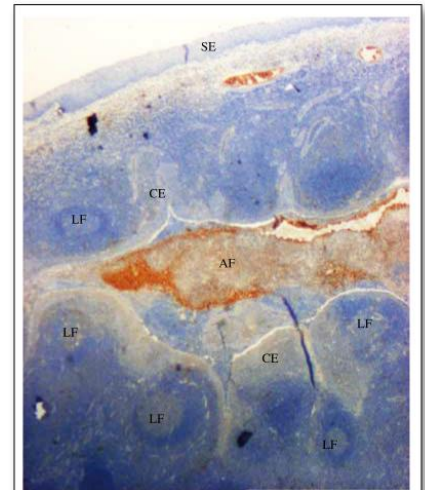


Figure 1: Immunohistochemistry image of β -Defensin 4 staining in paraffin section of peritonsillar abscess. Antigen retrieval was performed with trypsin. The section was incubated with AE1046 (1:75) and detected using Histostain Plus Broad Kit (Zymed Laboratories). AE1046 stains abscess formation (AF), surface epithelium (SE), crypt epithelium (CE), and lymphatic follicles (LF). Original magnification: x2.
Schwaab M et al. (2009) Eur J Clin Microbiol Infect Dis 28(7):745-55





Antibodies

References:

1. Schwaab M, Hansen S, Pearson MD, Shagdarsuren S, Dazert S (2009). Human beta-defensins--at the front line of the peritonsillar abscess. *Eur J Clin Microbiol Infect Dis* **28**(7): 745-755.

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For research use only

Publishing research using AE1046? Please let us know so that we can cite your publication as a reference.



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