

## Product datasheet for **AM02222PU-N**

### **beta Defensin 3 (DEFB103A) (6-22) Mouse Monoclonal Antibody [Clone ID: L3-18b-E1]**

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	L3-18b-E1
Applications:	ELISA, IHC, R, WB
Recommended Dilution:	<b>RIA.</b> <b>ELISA.</b> <b>Western Blot</b> (Ref.1). <b>Immunohistochemistry Paraffin Sections:</b> 1/50 (Ref.1).
Reactivity:	Human, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic Human beta-Defensin 3 (aa 6-22)
Specificity:	This antibody detects Human beta-Defensin 3 (aa 6-22), Rat beta-Defensin 3.
Formulation:	50 mM TRIS pH 7.4 State: Purified State: Lyophilized purified IgG fraction from Cell Culture Supernatant
Reconstitution Method:	Restore in 100 µl aqua bidest to 1 mg/ml.
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	defensin beta 103A
Database Link:	<a href="#">Entrez Gene 414325 Human P81534</a>



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**Background:**

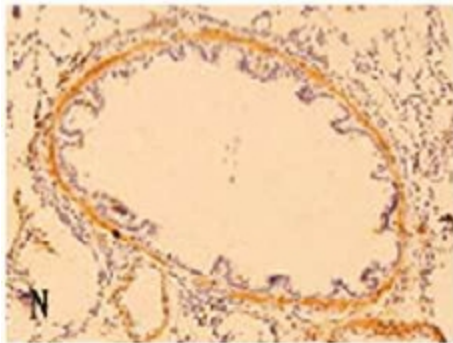
Beta Defensin 3 exhibits antimicrobial activity against Gram positive bacteria *S.aureus* and *S.pyogenes*, Gram negative bacteria *P.aeruginosa* and *E.coli* and the yeast *C.albicans*. It kills multiresistant *S.aureus* and vancomycin resistant *E.faecium*, but it appears to have no significant hemolytic activity. Beta Defensin 3 is highly expressed in skin and tonsils, and to a lesser extent in trachea, uterus, kidney, thymus, adenoid, pharynx and tongue. Low expression is observed in salivary gland, bone marrow, colon, stomach, polyp and larynx, with no expression in small intestine. Expression is induced by infection of bacteria and by interferon gamma. Beta Defensin 3 belongs to the beta defensin family.

**Synonyms:**

DEFB103A, DEFB103B, BD3, DEFB3, HBP3, HBD3, DEFB103, Beta-defensin 103, Defensin-like protein, Defensin beta 103

**Note:**

GenID: 55894 and 414325

**Product images:**

Immunohistochemistry of beta-Defensin-3 staining in Paraffin section of Rat lung tissue. Antigen retrieval was performed in 0.01M Sodium Citrate buffer at 55-58°C for 5min. The sections were incubated with AM02222PU (1/50) overnight and detected using a biotinylated secondary antibody in combination with biotin-streptavidin method. DAB was used as substrate. Sections were counterstained with hematoxylin. AM02222PU stains the bronchiolar epithelium in methicillin-resistant *Staphylococcus aureus* inoculated rats. Original magnification: x200