

Product datasheet for **AM02221PU-N**

DEFB4B (4-41) Mouse Monoclonal Antibody [Clone ID: L12-4C-C2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	L12-4C-C2
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western Blot: 5 µg/ml (See Ref.1). Immunohistochemistry on Paraffin Sections: 1/2000 (See Ref.1).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide corresponding to amino acids 4-41 of Human beta-Defensin 2
Specificity:	This antibody recognizes Human beta-Defensin 2 (aa 4-41). Other species not tested.
Formulation:	PBS, pH 7.4, 20mM D-(+)-trehalose dihydrate, 40mM D-(-)-mannitol State: Purified State: Lyophilized purified IgG fraction from Cell Culture Supernatant
Reconstitution Method:	Restore in 100 µl aqua bidest
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 4B
Database Link:	Entrez Gene 100289462 Human O15263



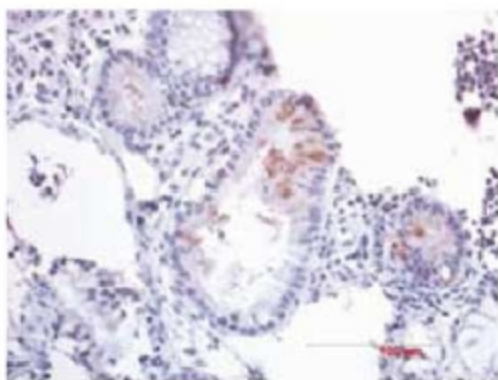
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Background: This antibiotic peptide is locally regulated by inflammation. Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Members of the defensin family are highly similar in protein sequence.

Synonyms: Beta-defensin 4A, Beta-defensin 2, BD-2, hBD-2, DEFB102, DEFB2, Skin-antimicrobial peptide 1, DEFB4B, DEFB4A

Note: LocusID 1673

Product images:



Immunohistochemical staining of Beta-Defensin-2 in Paraffin Section of Human colon resection tissue. Antigen retrieval was performed in citric acid (0.01M, pH6) twice for 7 min and in 0.1% Trypsin for 5 min. The section was incubated with AM02221PU (1/2000) for 1 h and detected using Alkaline Phosphatase anti-Alkaline Phosphatase method. New fuchsin was used as the chromogen. The section was counterstained with hematoxylin. AM02221PU stains colonic epithelial enterocytes in ulcerative colitis patients. Langhorst J et al. (2009) Am. J. Gastroenterol 104 (2): 404-410.