

## Product datasheet for **AM02216PU-N**

### **beta Defensin 1 (DEFB1) (1-36) Mouse Monoclonal Antibody [Clone ID: M4-14b-H4 (M11-14b-H4)]**

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	M4-14b-H4 (M11-14b-H4)
Applications:	ELISA, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western blot.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic Human beta-Defensin 1 (aa 1-36) (3 disulfide bridges).
Specificity:	This antibody detects Beta-Defensin 1 (aa 1-36). No cross reactivity obtained with Human Beta-Defensin 3, Beta-Defensin 4, Beta-Defensin 12 and Beta-Defensin 16.
Formulation:	PBS, pH 7.4, 20 mM D-(+)-Trehalose dihydrate, 40 mM D(-)-Mannitol State: Purified State: Lyophilized purified IgG fraction from Cell Culture Supernatant
Reconstitution Method:	Restore in aqua bidest to 1 mg/ml.
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C and reconstituted at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	defensin beta 1
Database Link:	<a href="#">Entrez Gene 1672 Human P60022</a>



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<b>Background:</b>	Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Members of the defensin family are highly similar in protein sequence. This gene encodes defensin, beta 1, an antimicrobial peptide implicated in the resistance of epithelial surfaces to microbial colonization. This gene maps in close proximity to defensin family member, defensin, alpha 1 and has been implicated in the pathogenesis of cystic fibrosis. The mature form of Beta defensin 1 is 36 amino acids.
<b>Synonyms:</b>	Beta-defensin 1, BD1, BD-1, HBD1, hBD-1, DEFB1, DEFB101
<b>Note:</b>	LocusID 1672