

Product datasheet for **AP01151PU-S**

beta Defensin 1 (DEFB1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Indirect ELISA: To detect hBD-1 (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This In conjunction with compatible secondary reagents, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hBD-1. Sandwich ELISA: To detect hBD-1 (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. In conjunction with Biotinylated Anti-Human BD-1 as a detection antibody, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hBD-1. Western blot: To detect hBD-1 this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hBD-1 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (> 98%) E.coli derived 5.0 kDa recombinant human BD-1
Specificity:	This antibody detects Defensin beta 1.
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized (sterile filtered) purified Ig fraction
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile water to a concentration of 0.1 - 1.0 mg/ml.
Purification:	Immunoaffinity 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 1



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Database Link: [Entrez Gene 1672 Human P60022](#)

Background: 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.

Synonyms: Beta-defensin 1, BD1, BD-1, HBD1, hBD-1, DEFB1, DEFB101