

## Product datasheet for **PP1229P2**

### beta Defensin 3 (DEFB103A) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<b>Sandwich ELISA:</b> To detect Human BD-3 by Sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. Antibody PP1229P, in conjunction with biotinylated anti-Human BD-3 (Cat.-No PP1229B), allows the detection of at least 0.2-0.4 ng/well of recombinant Human BD-3. <b>Western Blot:</b> To detect Human BD-3 by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. When used in conjunction with compatible secondary reagents the detection limit for recombinant Human BD-3 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	E.coli derived Recombinant Human Beta Defensin-3.
Specificity:	This antibody reacts with Human BD3 (Defensin beta 3). Other species not tested.
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 with sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography employing immobilized Human BD-3 matrix
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	defensin beta 103A



[View online »](#)

Database Link: [Entrez Gene 414325 Human P81534](#)

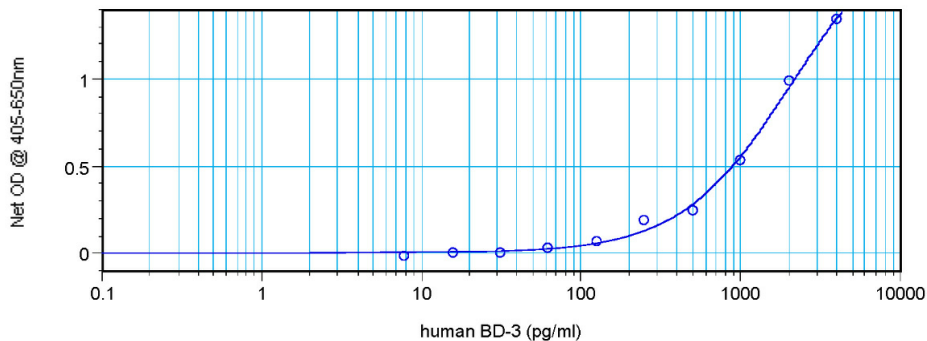
**Background:** Beta Defensin 3 exhibits antimicrobial activity against Gram-positive bacteria *S.aureus* and *S.pyogenes*, Gram-negative bacteria *P.aeruginosa* and *E.coli* and the yeast *C.albicans*. It kills multiresistant *S.aureus* and vancomycin-resistant *E.faecium*, but it appears to have no 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:** **Molecular weight:** ~150 kDa

### Product images:



Sandwich ELISA using anti-Human BD3 Antibody  
Cat.-No [PP1229P]