

## Product datasheet for **PP1229B2**

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

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<b>Direct ELISA:</b> To detect Human BD-3 by Direct ELISA (using 100µl/well) a concentration of ~1.0 µg/ml of this antibody is required. This Biotinylated antibody allows the detection of at least 0.2-0.4 mg/well of recombinant Human BD-3. <b>Sandwich ELISA:</b> To detect Human BD-3 by Sandwich ELISA (using 100µl/well antibody solution) a concentration of 0.25-1.0 µg/ml of this antibody is required. This Biotinylated antibody, in conjugation with Purified Anti-Human BD-3 antibody (Cat.-No PP1229P) as a Capture antibody, allows the detection of at least 0.2-0.4 mg/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. 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 (Cat.-No PA184).
Specificity:	This antibody reacts with Human BD3 (Defensin beta 3). Other species not tested.
Formulation:	BPS, pH 7.2 without preservatives Label: Biotin State: Lyophilized (sterile filtered) purified Ig fraction
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml
Purification:	Affinity Chromatography
Conjugation:	Biotin
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.



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<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	defensin beta 103A
<b>Database Link:</b>	<a href="#">Entrez Gene 414325 Human P81534</a>
<b>Background:</b>	<p>Beta Defensin 3 exhibits antimicrobial activity against Gram-positive bacteria <i>S.aureus</i> and <i>S.pyogenes</i>, Gram-negative bacteria <i>P.aeruginosa</i> and <i>E.coli</i> and the yeast <i>C.albicans</i>. It kills multiresistant <i>S.aureus</i> and vancomycin-resistant <i>E.faecium</i>, 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.</p> <p>Beta Defensin 3 belongs to the beta-defensin family.</p>
<b>Synonyms:</b>	DEFB103A, DEFB103B, BD3, DEFB3, HBP3, HBD3, DEFB103, Beta-defensin 103, Defensin-like protein, Defensin beta 103
<b>Note:</b>	<b>Molecular weight:</b> ~150 kDa