

## Product datasheet for **PP1125B2**

### DEFB4B Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<b>Direct ELISA:</b> To detect Human BD-2 by direct ELISA (using 100 µl/well antibody solution) a concentration of 0.25-1.0 µg/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant hBD-2. <b>Sandwich ELISA:</b> To detect Human BD-2 by Sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.25-1.0 µg/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with a compatible polyclonal Anti-Human BD-2 (Cat.-No PP1125P1 or PP1125P2) as a Capture antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Human BD-2. <b>Western Blot:</b> To detect Human BD-2 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-2 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) E.coli derived recombinant Human BD-2 (Cat.-No PA139)
Specificity:	This antibody recognizes Human BD2 (Defensin beta 2). Other species not tested.
Formulation:	PBS, pH 7.2 without preservatives Label: Biotin State: Lyophilized (sterile filtered) purified IgG 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:	Immunoaffinity Chromatography
Conjugation:	Biotin



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**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 4B

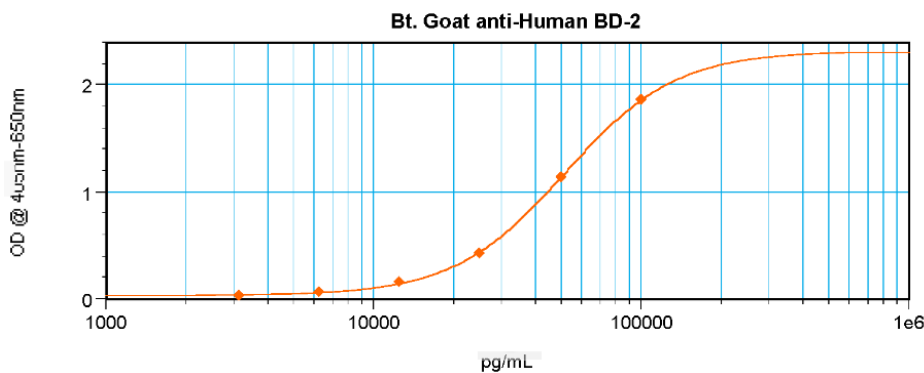
**Database Link:** [Entrez Gene 100289462 Human O15263](#)

**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.  
hBD-2 is a antimicrobial peptide, which belongs to the distinct family of beta-defensins.

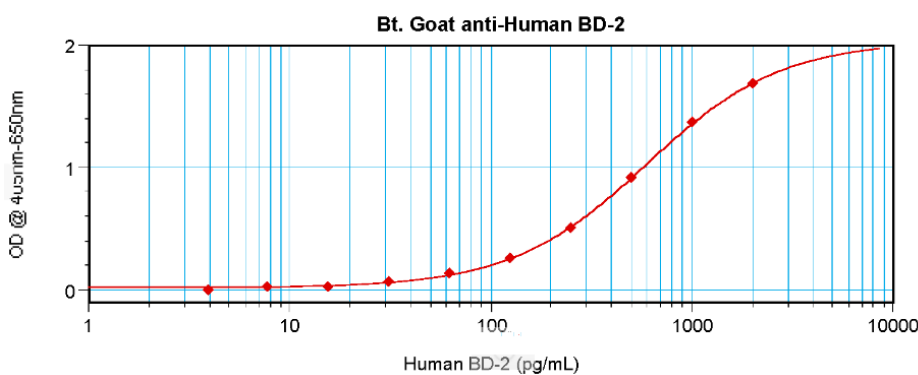
**Synonyms:** Beta-defensin 4A, Beta-defensin 2, BD-2, hBD-2, DEFB102, DEFB2, Skin-antimicrobial peptide 1, DEFB4B, DEFB4A

**Note:** **Molecular Weight:** ~150 kDa

### Product images:



Direct ELISA using Defensin beta 2 Antibody Cat.-No [PP1125B]



Sandwich ELISA using Defensin beta 2 Antibody Cat.-No [PP1125B]