

## Product datasheet for **PP1125P1**

### DEFB4B Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, Neutralize, WB
Recommended Dilution:	<b>Sandwich ELISA:</b> To detect Human BD-2 by Sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with biotinylated Anti-Human BD-2 (Cat.-No PP1125B1 or PP1125B2) as a detection 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 hBD-2 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions. <b>Neutralization:</b> To yield one-half maximal inhibition [ND50] of the biological activity of Human BD-2 (1.0 µg/ml), a concentration of 5.0-8.0 mg/ml of this antibody is required.
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 State: Aff - Purified State: Lyophilized (sterile filtered) purified 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 employing immobilized hBD-2 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.



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**Stability:** Shelf life: one year from despatch.

**Gene Name:** defensin beta 4B

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

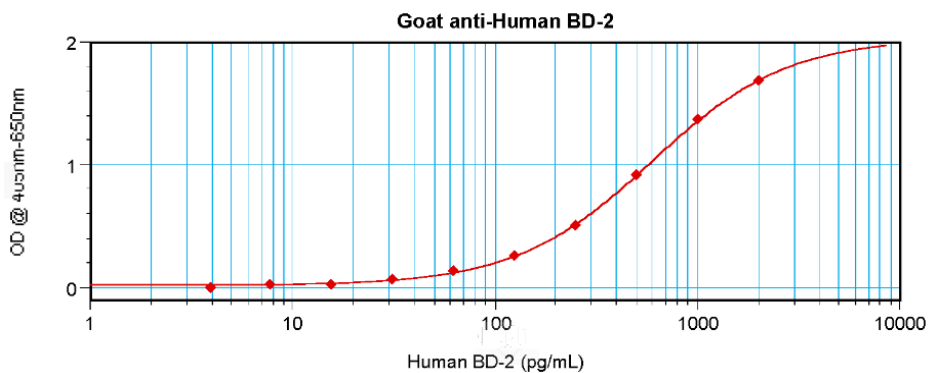
**Background:** This antibiotic peptide is locally regulated by inflammation. Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Members of the defensin family are highly similar in protein sequence.

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:



Sandwich ELISA using Defensin beta 2 Antibody  
Cat.-No [PP1125P]