

## Product datasheet for **PP1112B1**

### alpha Defensin 1 (DEFA1) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	<p><b>Direct ELISA:</b> To detect Human NP-1 by Direct ELISA (using 100 µl/well antibody solution) this antibody can be used at a concentration of ~1.0 µg/ml. This Biotin conjugated antibody allows the detection of at least 0.2 ng/well of recombinant Human NP-1.</p> <p><b>Sandwich ELISA:</b> To detect Human NP-1 by Sandwich ELISA (using 100 µl/well antibody solution) this antibody can be used at a concentration of 0.25-1.0 µg/ml. This Biotin conjugated antibody in conjunction with Purified antibody PP1112P, allows the detection of at least 0.2 ng/well of recombinant Human NP-1.</p> <p><b>Western Blot:</b> To detect Human NP-1 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 hNP-1 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.</p>
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) E.coli derived Human recombinant NP-1.
Specificity:	Defensin alpha 1-3 (NP-1)
Formulation:	<p>PBS, pH 7.2 without preservatives</p> <p>Label: Biotin</p> <p>State: Lyophilized purified Ig fraction</p>
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml
Purification:	Affinity Chromatography
Conjugation:	Biotin
Storage:	<p>Store the antibody prior to reconstitution at -20°C.</p> <p>Following reconstitution the antibody can be stored at 2-8°C for one month or at -20°C for longer.</p> <p>Avoid repeated freezing and thawing.</p>
Stability:	Shelf life: One year from despatch.



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<b>Gene Name:</b>	defensin alpha 1
<b>Database Link:</b>	<a href="#">Entrez Gene 728358 Human</a> <a href="#">Entrez Gene 1667 Human P59665</a>
<b>Background:</b>	Defensins are a group of cyclic peptides containing 29-35 amino acids, which comprise approximately 30% of the total protein content of neutrophil azurophilic granules. Various functions have been reported for the defensins, including antibacterial and antifungal activity and chemotactic activity for monocytes.
<b>Synonyms:</b>	DEFA1, DEF-A1, DEFA-1, DEF1, DEFA2, MRS, DEF-1, DEFA-2, DEF-A2, HNP-1, HP-1, HP1, HNP1, Neutrophil defensin 1, DEFA3, DEFA-3, DEF-A3, DEF3, DEF-3, HNP-3, HP-3, HP3, HNP3, Neutrophil defensin 3, Defensin alpha 1, Defensin alpha 3
<b>Note:</b>	Centrifuge vial prior to opening!
<b>Protein Families:</b>	Druggable Genome