

Product datasheet for **PP1112P1**

alpha Defensin 1 (DEFA1) Goat Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: ELISA, FN, WB

Recommended Dilution: **ELISA.**

Indirect: To detect hNP-1 by indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant hNP-1.

Sandwich: To detect hNP-1 by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antibody, in conjunction with a biotinylated Anti-Human NP-1 (PP1112B) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant hNP-1.

Western Blot:

To detect hNP-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.

Neutralization:

To yield one-half maximal inhibition (ND50) of the biological activity of hNP-1 (100 ng/ml), a concentration of 0.40-0.60 µg/ml of this antibody has been used with previous lots.

Reactivity: Human

Host: Goat

Clonality: Polyclonal

Immunogen: Highly pure (>98%) recombinant Human NP-1

Specificity: The antibody recognizes Human NP-1.

Formulation: PBS, pH 7.2 without preservatives.

State: Aff - Purified

State: Lyophilized (sterile filtered) purified Ig fraction.

Reconstitution Method: Restore in sterile water to a concentration of 0.1-1.0 mg/ml.

Purification: Affinity Chromatography employing immobilized hNP-1 matrix

Conjugation: Unconjugated



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Storage:	The lyophilized antibody is stable for one year from despatch at -20°C. The reconstituted antibody is stable for two weeks at 2-8°C. Frozen aliquots are stable for 6 months when stored at -20°C. Avoid repeated freezing and thawing.
Gene Name:	defensin alpha 1
Database Link:	Entrez Gene 728358 Human Entrez Gene 1667 Human P59665
Background:	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.
Synonyms:	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
Note:	Centrifuge vial prior to opening.
Protein Families:	Druggable Genome