

PP1061P1**Polyclonal Antibody to PDGFA (PDGF-AA) - Aff - Purified****Alternate names:**

PDGF A, PDGF alpha, PDGF subunit A, PDGF-1, PDGF-A, PDGF1, Platelet-derived growth factor A chain, Platelet-derived growth factor alpha, Platelet-derived growth factor subunit A

Quantity:

50 µg

Uniprot ID:

[P04085](#)

NCBI:

[NP_002598](#)

GeneID:

[5154](#)

Host:

Rabbit

Immunogen:

Highly pure (>98%) recombinant hPDGF-AA

Format:

State: Lyophilized purified Ig fraction

Purification: Immunoaffinity chromatography using immobilized human PDGF matrix

Buffer System: PBS, pH 7.2, without preservatives

Reconstitution: Centrifuge vial prior to opening.

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

Applications:

Neutralisation:

To yield one-half maximal inhibition [ND50] of the biological activity of hPDGF-AA (5.0 ng/ml),

a concentration of 0.05 - 0.07 µg/ml of this antibody is required.

Immunohistochemistry:

The antibody stained formalin-fixed, paraffin embedded sections of normal human skin at

1.0 µg/ml overnight at 4°C. (A HRP-labeled polymer detection system was used with a non-alcohol soluble AEC chromogen and a proteinase K antigen retrieval).

ELISA:

Indirect - To detect hPDGF-AA by indirect ELISA (using 100 µl/well antibody solution), a concentration of 0.5 - 2.0 µg/ml of this antibody is required; allows the detection of at least 0.2 - 0.4 ng/well of recombinant hPDGF-AA.

Sandwich - To detect hPDGF-AA by sandwich ELISA (using 100 µl/well antibody solution),

a concentration of 0.5 - 2.0 µg/ml of this antibody is required; in conjunction with a biotinylated anti-human PDGF-AA (PP1061B) as the detection antibody at least 0.2 - 0.4 ng/well of recombinant hPDGF-AA can be detected.

Western blot:

To detect hPDGF-AA 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 hPDGF-AA is 1.5 -3.0 ng/lane, under either reducing or non-reducing conditions.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: The antibody recognizes the human Platelet Derived Growth Factor AA (hPDGF-AA). Not tested in other species.

Storage: The lyophilized antibody is stable at -20°C for one year from despatch. The reconstituted antibody can be stored for two weeks at 2-8°C. Frozen aliquots are stable for six months when stored at -20°C. Avoid repeated freezing and thawing.

Pictures: Immunohistochemistry: This PDGFA antibody stained formalin-fixed, paraffin-embedded sections of normal human skin. The recommended concentration is 1.0 µg/ml overnight at 4°C. An HRP-labeled polymer detection system was used with a non-alcohol soluble AEC chromogen and a proteinase K antigen retrieval.

