



# Anti-PF4 polyclonal antibody [Biotin] (DPABY-408)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                            |  |
|----------------------------|--|
| <b>Antigen Description</b> | Platelet factor 4 (PF4) is a member of the CXC chemokine family. Human and mouse PF4 share 64% identity. PF4 is involved in monocyte survival and differentiation into macrophages, and it has anti-angiogenic activity. |
| <b>Specificity</b>         | Detects human CXCL4/PF4 in ELISAs and Western blots. In sandwich immunoassays, less than 0.05% cross-reactivity with recombinant mouse PF4, recombinant human (rh) GRO alpha, and rhGRO beta is observed.                |
| <b>Immunogen</b>           | E. coli-derived recombinant human CXCL4/PF4 . Glu32-Ser101 Accession Number P02776   |
| <b>Isotype</b>             | IgG  |
| <b>Source/Host</b>         | Goat   |
| <b>Species Reactivity</b>  | Human  |
| <b>Purification</b>        | Antigen Affinity-purified  |
| <b>Conjugate</b>           | Biotin   |
| <b>Applications</b>        | Western Blot, ELISA Detection (Matched Pair)   |
| <b>Format</b>              | Liquid   |
| <b>Size</b>                | 50 µg  |
| <b>Buffer</b>              | Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.  |
| <b>Preservative</b>        | None   |
| <b>Storage</b>             | Use a manual defrost freezer and avoid repeated freeze-thaw cycles.  |

12 months from date of receipt, -20 to -70 °C as supplied.  
1 month, 2 to 8 °C under sterile conditions after reconstitution.  
6 months, -20 to -70 °C under sterile conditions after reconstitution.

## GENE INFORMATION

|                     |   |
|---------------------|---|
| Gene Name           | <a href="#">PF4 platelet factor 4 [ Homo sapiens (human) ]</a>  |
| Official Symbol     | PF4   |
| Synonyms            | PF4; platelet factor 4; PF-4; CXCL4; SCYB4; iroplact; oncostatin-A; C-X-C motif chemokine 4; chemokine (C-X-C motif) ligand 4;  |
| Entrez Gene ID      | <a href="#">5196</a>  |
| Protein Refseq      | <a href="#">NP_002610</a>   |
| UniProt ID          | <a href="#">P02776</a>  |
| Chromosome Location | 4q12-q21  |
| Pathway             | CXCR3-mediated signaling events; Cell surface interactions at the vascular wall; Chemokine receptors bind chemokines; Chemokine signaling pathway; Class A/1 (Rhodopsin-like receptors); Common Pathway; Cytokine-cytokine receptor interaction; Formation of F |
| Function            | CXCR3 chemokine receptor binding; chemokine activity; heparin binding;  |