



# Anti-PF4 monoclonal antibody, clone 250020 (DCABY-4002)

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 mouse CXCL4/PF4 in ELISAs and Western blots. In ELISAs, this antibody does not cross-react or interfere recombinant human (rh) CXCL/PF4, recombinant mouse (rm) CXCL9/MIG, rmGM-CSF, rmCXCL11/I-TAC, rhCXCL8/IL-8, rmIL-5, or rhCXCL10/IP-10. In Western blots, no cross-reactivity was observed with rhGCP-2, rmGCP-2, rhGRO alpha, rhGRO beta, rhGRO gamma, rhMIP-1 alpha, rmMIP-1 alpha, rmMIP-1 beta, rhMIP-1 delta, rmMIP-1 gamma, rmMIP-2, rhMIP-3 alpha, rmMIP-3 alpha, rrMIP-3 alpha, rhMIP-3 beta, or rmMIP-3 beta.
<b>Immunogen</b>	E. coli-derived recombinant mouse CXCL4/PF4. Val30-Ser105 Accession Number Q9Z126
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	250020
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot, ELISA Capture (Matched Pair)
<b>Format</b>	Liquid
<b>Size</b>	500 µg

<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
<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 from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Pf4 platelet factor 4 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	PF4
<b>Synonyms</b>	PF4; platelet factor 4; Cxcl4; Scyb4; PF-4; C-X-C motif chemokine 4; chemokine (C-X-C motif) ligand 4;
<b>Entrez Gene ID</b>	<a href="#">56744</a>
<b>Protein Refseq</b>	<a href="#">NP_064316</a>
<b>UniProt ID</b>	<a href="#">Q3TVN6</a>
<b>Chromosome Location</b>	5 E1; 5
<b>Pathway</b>	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 Fibrin Clot (Clotting Cascade); G
<b>Function</b>	CXCR3 chemokine receptor binding; chemokine activity; cytokine activity; heparin binding;