



## Anti-PF4 polyclonal antibody (DPAB-TJ083)

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

### PRODUCT INFORMATION

#### Antigen Description

Chemokines are a group of small (approximately 8 to 14 kD), mostly basic, structurally related molecules that regulate cell trafficking of various types of leukocytes through interactions with a subset of 7 transmembrane, G protein coupled receptors. Chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis. Chemokines are divided into 2 major subfamilies, CXC and CC, based on the arrangement of the first 2 of the 4 conserved cysteine residues; the 2 cysteines are separated by a single amino acid in CXC chemokines and are adjacent in CC chemokines. CXC chemokines are further subdivided into ELR and non ELR types based on the presence or absence of a glu leu arg sequence adjacent and N terminal to the CXC motif.

<b>Target</b>	CXCL4/PF4
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human CXCL4/PF4
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	purified by Protein A and peptide affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ELISA, IHC-P, IF
<b>Concentration</b>	1ug/uL
<b>Size</b>	100 µl
<b>Preservative</b>	None

<b>Storage</b>	Aqueous buffered solution containing 100ug/ml BSA, 50% glycerol and 0.09% sodium azide. Store at -20°C for 12 months
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## GENE INFORMATION

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