



Humanized anti-human CXCL4/Platelet factor 4 (PF4) monoclonal antibody, clone Y9 (CABT-L0396Y)

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

PRODUCT INFORMATION

Product Overview	This humanized antibody recognizes Human PF4/CXCL4. It is suitable for use in ELISA, CLIA as a detection antibody when paired with CABT-L0395Y as a capture antibody.
Specificity	Detects human CXCL4/platelet factor 4 (PF4) in sELISA
Target	Human CXCL4/PF4
Isotype	IgG
Source/Host	Human
Species Reactivity	Human
Clone	Y9
Conjugate	Unconjugated
Applications	<p>This humanized antibody recognizes Human PF4/CXCL4. It is suitable for use in ELISA, CLIA. We recommend the following for sandwich ELISA (Capture - Detection):</p> <p>CABT-L0395Y - CABT-L0396Y</p> <p>Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.</p>
Format	Purified, Liquid
Concentration	Lot specific
Size	1 mg

Buffer	PBS or Tris
Preservative	None
Storage	Store at 2-8°C for up to one month. Store at -20°C for long-term storage. Avoid freeze/thaw cycles.

BACKGROUND

Introduction	<p>This gene is a member of the receptors of complement activation (RCA) family and is located in the cluster RCA region of chromosome 1. The gene encodes a monomeric single-pass type I membrane glycoprotein found on erythrocytes, leukocytes, glomerular podocytes, and splenic follicular dendritic cells. The Knops blood group system is a system of antigens located on this protein. The protein mediates cellular binding to particles and immune complexes that have activated complement. Decreases in expression of this protein and/or mutations in its gene have been associated with gallbladder carcinomas, mesangiocapillary glomerulonephritis, systemic lupus erythematosus and sarcoidosis. Mutations in this gene have also been associated with a reduction in Plasmodium falciparum rosetting, conferring protection against severe malaria. Alternate allele-specific splice variants, encoding different isoforms, have been characterized. Additional allele specific isoforms, including a secreted form, have been described but have not been fully characterized.</p>
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Keywords	<p>CXCL4; Platelet factor 4; PF4; platelet factor 4; chemokine (C X C motif) ligand 4; CXCL4; SCYB4; short form; C-X-C motif chemokine 4; Chemokine (C X C motif) ligand 4; Chemokine (CXC motif) ligand 4; CXCL 4; CXCL4; Iroplact; MGC138298; Oncostatin A; Oncostatin-A; OncostatinA; PF</p>
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GENE INFORMATION

Entrez Gene ID	5196
UniProt ID	P02776
Pathway	<p>CXCR3-mediated signaling events, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Common Pathway, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem;</p>