

Immunotag™ PF-4 Polyclonal Antibody

| Antibody Specification | |
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| Catalog No. | ITT6006 |
| Product Description | Immunotag™ PF-4 Polyclonal Antibody |
| Size | 50 µg, 100 µg |
| Conjugation | HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647 |
| IMPORTANT NOTE | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return. |
| Target Protein | PF4 |
| Clonality | Polyclonal |
| Storage/Stability | -20°C/1 year |
| Application | IHC-p,ELISA |
| Recommended Dilution | IHC-p 1:50-200, ELISA 1:10000-20000 |
| Concentration | 1 mg/ml |
| Reactive Species | Human,Rat |
| Host Species | Rabbit |
| Immunogen | Synthetic peptide from human protein at AA range: 51-100 |
| Specificity | The antibody detects endogenous PF-4 |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen |
| Form | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Gene Name | PF4 CXCL4 SCYB4 |
| Accession No. | P02776 Q9Z126 P06765 |
| Alternate Names | Platelet factor 4 (PF-4) (C-X-C motif chemokine 4) (Iroplact) (Oncostatin-A) [Cleaved into: Platelet factor 4, short form] |

Antibody Specification

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| Description | platelet factor 4(PF4) Homo sapiens This gene encodes a member of the CXC chemokine family. This chemokine is released from the alpha granules of activated platelets in the form of a homotetramer which has high affinity for heparin and is involved in platelet aggregation. This protein is chemotactic for numerous other cell type and also functions as an inhibitor of hematopoiesis, angiogenesis and T-cell function. The protein also exhibits antimicrobial activity against Plasmodium falciparum. [provided by RefSeq, Oct 2014], |
| Cell Pathway/ Category | Cytokine-cytokine receptor interaction,Chemokine, |
| Protein Expression | Leukocyte, |
| Subcellular Localization | extracellular region,extracellular space,platelet alpha granule lumen, |
| Protein Function | function:Released during platelet aggregation. Neutralizes the anticoagulant effect of heparin because it binds more strongly to heparin than to the chondroitin-4-sulfate chains of the carrier molecule. Chemotactic for neutrophils and monocytes. Inhibits endothelial cell proliferation, the short form is a more potent inhibitor than the longer form.,mass spectrometry: PubMed:7644496,mass spectrometry:Short form PubMed:7644496,online information:CXCL4 entry,PTM:Binds non-covalently to a proteoglycan molecule.,similarity:Belongs to the intercrine alpha (chemokine CxC) family.,subunit:Homotetramer., |
| Usage | For Research Use Only! Not for diagnostic or therapeutic procedures. |