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Product Datasheet

Mouse PF4 protein, His tag (active), Unconjugated GTX00334-PRO

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| Article Name | Mouse PF4 protein, His tag (active), Unconjugated |
| Biozol Catalog Number | GTX00334-PRO |
| Supplier Catalog Number | GTX00334-pro |
| Alternative Catalog Number | GTX00334-PRO-10 |
| Manufacturer | GeneTex |
| Category | Proteine/Peptide |
| Application | FA |
| Species Reactivity | Mouse |
| Conjugation | Unconjugated |
| NCBI | 56744 |
| UniProt | Q9Z126 |
| Buffer | Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300. |
| Expression System | E. coli |
| Form | Lyophilized powder |
| Sequence | N-terminal His-Tag, Val30~Ser105 (NP_064316.1) |

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| Application Notes | <p>Platelet factor 4 (PF4) is a small cytokine belonging to the CXC chemokine family that is also known as chemokine (C-X-C motif) ligand 4 (CXCL4). This chemokine is released from alpha-granules of activated platelets during platelet aggregation, and promotes blood coagulation by moderating the effects of heparin-like molecules. Due to these roles, it is predicted to play a role in wound repair and inflammation. To measure its ability to inhibit the FGF basic-dependent proliferation of HUVEC human umbilical vein endothelial cells, HUVEC cells were seeded into 96-well plates at a density of 3000 cells/well with 2% serum standard DMEM including 1µg/ml recombinant human FGF1 and various concentrations of recombinant human PF4. After incubated for 48h, cells were observed by inverted microscope. Briefly, 10 µl of CCK-8 solution was added to each well of the plate, then the absorbance at 450nm was measured using a microplate reader after incubating the plate for 1-2 hours at 37C. Proliferation of HUVEC cells after incubation with PF4 for 48h observed by inverted microscope.</p> |
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