For Research Use Only

Recombinant Human P-selectin/CD62P protein (rFc Tag)

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Catalog Number: Eg5366

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Human P-selectin protein Thr380-Ala771 (Accession# P16109) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
6403

Accession:
P16109

Predicted Molecular Mass:
67.5 kDa

SDS-PAGE:
77-100 kDa , reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

P-selectin, also known as GMP140 or CD62P, is a transmembrane glycoprotein that mediates the interaction of activated endothelial cells or platelets with leukocytes. It is an adhesion molecule involved in the pathogenesis of inflammation, thrombosis, and oncogenesis. P-selectin is stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. Upon cell activation by agonists, P-selectin is transported rapidly to the cell surface.

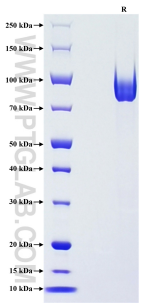
References

1. André, Patrick. British journal of haematology vol. 126,3 (2004): 298-306.
2. Purdy, Megan et al. Journal of thrombosis and haemostasis : JTH vol. 20,5 (2022): 1056-1066.
3. Ling, Tingting et al. Medical oncology (Northwood, London, England) vol. 40,11 338. 23 Oct. 2023.

Synonyms

CD62P, P-selectin, AK4, CD62 antigen-like family member P, GMP 140

Selected Validation Data



Purity of Recombinant Human P-selectin was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.