

Platelet factor 4

Solomons

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Summary

Platelet factor is a cytokine It is also known as chemokine ligand 4. It is released from alpha granules and promotes coagulation.

Platelet factor 4 is chemotactic for neutrophils, platelets and monocytes.

It is a 70 amino acid structure and is released from the alpha granules.

It has a high affinity to heparin and neutralises heparin-like molecules.

It inhibits protein C activity.

There are also cases of antibodies being formed against platelet factor 4 .

It is usually found in a complex with proteoglycan.

It is a strong chemo-attractant for neutrophils and fibroblasts.

It has been found to be the antigen in heparin-induced thrombocytopenia

The gene for platelet factor 4 is located on chromosome 4.

PF 4 inhibits antithrombin III and promotes coagulation !



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