



Product Datasheet

IgY - Anti-Platelet factor-4 antibody

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Only for professional use

Article No.: ABYT7020	Lot No./ Charge: (see product label)	Quantity: 1 mg / 1 mg/ml
Product name: IgY - antibody		
Platelet-Factor 4 (PF4) complex is the antigen in heparin-induced thrombocytopenia (HIT), an idiosyncratic autoimmune reaction to the administration of the anticoagulant heparin. Its autoantibodies have also been found in patients with thrombosis with similar HIT although they have received no prior administration of heparin. Its major physiologic role appears to be neutralization of heparin-like molecules on the endothelial surface of blood vessels, thereby inhibiting local antithrombin III activity and promoting coagulation. As a strong chemoattractant for neutrophils and fibroblasts, PF4 probably has a role in inflammation and wound repair. It is usually found in a complex with proteoglycan.		
Immunogen	Human Platelet factor -4	
Host	Chicken	
Isotype	Immunoglobulin Y (IgY) – egg yolk	
Purification	Ammonium sulphate precipitation	
Format	powder/liquid	
Buffer	no/ PBS with 0.1 % sodium azide, Stabilizer	
Storage	shipped at 4°C, store at -20°C	
Applications	Research in in vitro diagnostics: ELISA, Agglutination-test, Dot, Rapid-Test and other applications	
Proteine concentration	estimated by Bradford method	
Molecular weight estimation	SDS-PAGE (BioRad)	

Application (only for in vitro diagnostics): this product is for Research and Development use only. It must not be used as a remedy and not as an in vivo application. Foam or bubble development should be avoided. Any unused stock solution must then be divided into aliquots and frozen at -20°C. Repeated freezing and thawing is not recommended. For optimal immunoassay application we recommend to perform a chessboard titration (CBT) to avoid false-positive results.

Bochum, November 2019

approved

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