



## Product Datasheet

# IgY Anti-human neutrophil elastase antibody

**ANTIGENES**

Medizinische Labordiagnostika Soukou  
Hustadtring 151  
44801 Bochum  
Germany  
Tel.: +49 234-91795580  
Fax: +49 234-91795581  
Email: [info@antigenes.de](mailto:info@antigenes.de)  
Homepage: [www.antigenes.de](http://www.antigenes.de)

only for professional use

<b>Article No.:</b> ABYT 7020	<b>Lot No./ Charge:</b> (see product label)	<b>Quantity:</b> 1 mg / 1mg/ml
<b>Product name:</b> IgY Anti-human platelet-factor 4 antibody		
<p>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.</p>		
<b>Immunogen</b>	human platelet-factor 4	
<b>Host</b>	chicken	
<b>Isotype</b>	immunoglobulin Y (IgY) – egg yolk	
<b>Purification</b>	ammonium sulphate precipitation	
<b>Format</b>	powder/ liquid	
<b>Buffer</b>	no/ PBS with 0,1 % Sodium azide	
<b>Storage</b>	shipped at 4°C,store at -20°C	
<b>Applications</b>	<i>in vitro</i> diagnostics: ELISA, Agglutination-Test, Dot, Rapid-Test and other applications	
<b>Proteine concentration</b>	estimated by Bradford method	
<b>Molecular weight estimation</b>	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, 28<sup>th</sup>. November 2015

approved: \_\_\_\_\_  
(signature)