



## Product Datasheet

# IgY Anti-human neutrophil elastase antibody

**ANTIGENES**

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only for professional use

<b>Article No.:</b> ABYT 7030	<b>Lot No./ Charge:</b> (see product label)	<b>Quantity:</b> 1 mg / 1 mg/ml
<b>Product name:</b> IgY Anti-human neutrophil elastase antibody		
Secreted by neutrophils and macrophages during inflammation, elastase is a serine proteinase in the same family as chymotrypsin and has broad substrate specificity, destroys bacteria and host tissue. This protein degrades the outer membrane protein A (OmpA) of <i>E. coli</i> as well as the virulence factors of such bacteria as Shigella, Salmonella and Yersinia. The enzyme may play a role in degenerative and inflammatory diseases by its proteolysis of collagen-IV and elastin of the extracellular matrix. It is also an important protease enzyme that when expressed aberrantly can cause emphysema or emphysematous changes. This involves breakdown of the lung structure and increased airspaces.		
<b>Immunogen</b>	human neutrophile elastase	
<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)