

## Anti-Human Antithrombin III – IgG Fraction

<b>Product Codes</b>	<b>PC040</b> <b>PC040.X</b>	
Pack Sizes	PC040	1ml
	PC040.X	Bulk
Abbreviations	ATIII	
Other names	N/A	

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Use	For <i>in vitro</i> research and manufacturing uses only
<b>Users must validate this material for their own use and application</b>	

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### Background

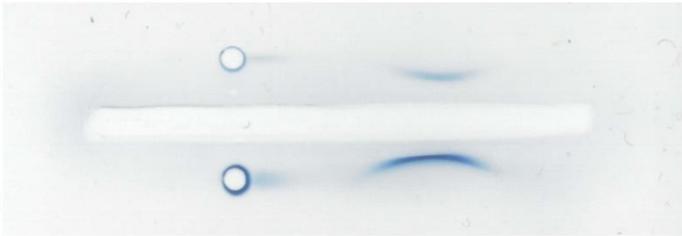
This product is manufactured by Binding Site in accordance with ISO13485 accredited quality systems.

Guidelines for assays used within the Binding Site are included in this datasheet. These do not confer a diagnostic use of this product.

### Product Specification

<b>Immunogen</b>	Human antithrombin III, purified from plasma, shown to be pure by SDS-PAGE
<b>Host</b>	Sheep
<b>Form</b>	Polyclonal sheep immunoglobulin fraction
<b>Method of Production</b>	IgG fraction purified by precipitation and anion exchange chromatography
<b>Format</b>	Liquid
<b>Filtration</b>	0.2µm
<b>Buffer</b>	Glycine buffered saline, pH 7.4
<b>Preservatives</b>	0.099% sodium azide, 0.1% E-amino-n-caproic Acid (EACA), 0.01% benzamidine, and 1mM ethylenediaminetetraacetic acid (EDTA)
<b>Total Protein Concentration</b>	Lot specific as determined by measuring optical density at 280nm (extinction coefficient of a 1% solution, using a 1cm lightpath = 14.5)
<b>Titre</b>	Inter-batch variation limited to ±20% by radial Immunodiffusion (RID)

## Product Utility

<b>Shelf-life</b>	36 months at +2-8°C. Minimum shelf life 6 months
<b>Storage and Stability</b>	Upon receipt this product should be stored at 2-8°C where it will remain stable until the given expiry date
<b>Specificity and Purity</b> <i>Typical product data</i>	Fresh frozen plasma (1µl and 5µl) was electrophoresed on Tris-Borate agarose and incubated overnight with PC040 (100 µL). Resulting immunoprecipitation arcs were visualised by Coomassie Blue staining
<b>IEP</b>	<div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <p>1 µl Fresh Frozen Plasma</p> <p>5 µl Fresh Frozen Plasma</p> </div>  <div style="margin-left: 20px;"> <p>100 µL PC040</p> </div> </div>
<b>Other Applications</b>	This product has been successfully used in other applications such as radial immunodiffusion (RID) and double diffusion
<b>Species Cross-reactivity</b>	Cross reactivity with other animal sera has not been tested

## Cautions

This product contains sodium azide and must be handled with caution; suitable gloves and other protective clothing should be worn at all times when handling this product.

Do not ingest or allow contact with the skin (particularly broken skin or open wounds) or mucous membranes. If contact does occur wash with a large volume of water and seek urgent medical advice. Explosive metal azides may be formed on prolonged contact of sodium azide with lead and copper plumbing; on disposal of reagent, flush with a large volume of water to prevent azide build up.

Associated Documents

SDS  
Certificate of Analysis

Related Products

[www.immunologicals.com/products/index](http://www.immunologicals.com/products/index)

# PRODUCT DATASHEET



## Customised Variants

This product can be customized to meet specific requirements. The options available include, but are not restricted to, parameters such as titre, resting buffer and preservations. Please enquire for further information.

## Contacts

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For further assistance or  
advice please contact us at:-

[www.immunologicals.com/contact](http://www.immunologicals.com/contact)

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