



Alpha 1 antitrypsin antigen ($\geq 95\%$) (DAGA-799)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Alpha-1 Antitrypsin or $\alpha 1$ -antitrypsin is a protease inhibitor belonging to the serpin superfamily. It is known as serum trypsin inhibitor. Alpha-1 antitrypsin is also referred to as alpha-1 proteinase inhibitor (A1PI) because it inhibits a wide variety of proteases. It protects tissues from enzymes of inflammatory cells, especially neutrophil elastase, and has a reference range in blood of 1.5–3.5 gram/liter. A1AT is a 52-kDa serpin and, in medicine, it is considered the most prominent serpin; the terms $\alpha 1$ -antitrypsin and protease inhibitor (Pi) are often used interchangeably.
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Purity	$\geq 95\%$ by SDS-PAGE
Conjugate	Unconjugated
Applications	Immunogen Grade
Format	Lyophilized
Concentration	Batch dependent - please inquire should you have specific requirements
Size	3 mg
Buffer	30 mM sodium phosphate pH 6.5 with 300 mM NaCl
Preservative	None
Storage	$\leq -20^{\circ}\text{C}$

BACKGROUND

Keywords	Alpha-1 antitrypsin; alpha-1 proteinase inhibitor; A1PI; A1AT; Tumor Markers
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