



Alpha 1 antichymotrypsin antigen (≥95%) (DAGA-798)

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

PRODUCT INFORMATION

Antigen Description

Alpha 1-antichymotrypsin (α 1AC) is an alpha globulin glycoprotein that is a member of the serpin superfamily. In humans, it is encoded by the SERPINA3 gene. Alpha 1-antichymotrypsin inhibits the activity of certain enzymes called proteases, such as cathepsin G that is found in neutrophils, and chymases found in mast cells, by cleaving them into a different shape or conformation. This activity protects some tissues, such as the lower respiratory tract, from damage caused by proteolytic enzymes. This protein is produced in the liver, and is an acute phase protein that is induced during inflammation.

Purity	≥95% by SDS-PAGE
Conjugate	Unconjugated
Applications	Immunogen Grade
Format	Lyophilized
Concentration	Batch dependent - please inquire should you have specific requirements
Size	300 µg
Buffer	20 mM Tris-HCl, pH 7.4 with 150 mM NaCl
Preservative	None
Storage	≤-20°C

BACKGROUND

Keywords

Alpha 1 Antichymotrypsin;A1ACT;alpha globulin glycoprotein;SERPINA3 gene;liver

