

# FITC Anti-alpha 1 Antitrypsin antibody ab19170

## 4 References

概述	
产品名称	FITC荧光Anti-alpha 1 Antitrypsin抗体
描述	FITC荧光山羊多克隆抗体to alpha 1 Antitrypsin
宿主	Goat
偶联物	FITC. Ex: 493nm, Em: 528nm
特异性	By immunoelectrophoresis and ELISA this antibody reacts specifically with alpha 1 antitrypsin. This antibody may cross react with alpha 1 antitrypsin light chain from other species.
经测试应用	适用于: ICC, ELISA, ICC/IF, Flow Cyt
种属反应性	与反应: Human
免疫原	Full length protein. This information is proprietary to Abcam and/or its suppliers.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>
性能	
形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	<p>pH: 6.8</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituents: PBS, 0.2% BSA</p>
纯度	Immunogen affinity purified
纯化说明	ab19170 was isolated by affinity chromatography using antigen coupled to agarose beads and conjugated to fluorescein isothiocyanate (FITC).
克隆	多克隆
同种型	IgG

## 应用

### The Abpromise guarantee

**Abpromise™** 承诺保证使用 ab19170 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab 评论	说明
ICC		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. PubMed: 21060150 <b>ab37394</b> - Goat polyclonal IgG, is suitable for use as an isotype control with this antibody.

## 靶标

功能	<p>Inhibitor of serine proteases. Its primary target is elastase, but it also has a moderate affinity for plasmin and thrombin. Irreversibly inhibits trypsin, chymotrypsin and plasminogen activator. The aberrant form inhibits insulin-induced NO synthesis in platelets, decreases coagulation time and has proteolytic activity against insulin and plasmin.</p> <p>Short peptide from AAT: reversible chymotrypsin inhibitor. It also inhibits elastase, but not trypsin. Its major physiological function is the protection of the lower respiratory tract against proteolytic destruction by human leukocyte elastase (HLE).</p>
组织特异性	Ubiquitous. Expressed in leukocytes and plasma.
疾病相关	Alpha-1-antitrypsin deficiency
序列相似性	Belongs to the serpin family.
结构域	<p>The reactive center loop (RCL) extends out from the body of the protein and directs binding to the target protease. The protease cleaves the serpin at the reactive site within the RCL, establishing a covalent linkage between the carboxyl group of the serpin reactive site and the serine hydroxyl of the protease. The resulting inactive serpin-protease complex is highly stable.</p>
翻译后修饰	<p>N-glycosylated. Differential glycosylation produces a number of isoforms. N-linked glycan at Asn-107 is alternatively di-antennary, tri-antennary or tetra-antennary. The glycan at Asn-70 is di-antennary with trace amounts of tri-antennary. Glycan at Asn-271 is exclusively di-antennary. Structure of glycans at Asn-70 and Asn-271 is Hex5HexNAc4. The structure of the antennae is Neu5Ac(alpha1-6)Gal(beta1-4)GlcNAc attached to the core structure Man(alpha1-6)[Man(alpha1-3)]Man(beta1-4)GlcNAc(beta1-4)GlcNAc. Some antennae are fucosylated, which forms a Lewis-X determinant.</p> <p>Proteolytic processing may yield the truncated form that ranges from Asp-30 to Lys-418.</p>
细胞定位	Secreted. Endoplasmic reticulum. The S and Z allele are not secreted effectively and accumulate intracellularly in the endoplasmic reticulum and Secreted, extracellular space, extracellular matrix.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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