

# Anti-Fibrinogen alpha chain antibody [UC45] ab19079

★★★★★ [2 Abreviews](#) [9 References](#) [1 图像](#)

### 概述

产品名称	Anti-Fibrinogen alpha chain抗体[UC45]
描述	小鼠单克隆抗体[UC45] to Fibrinogen alpha chain
宿主	Mouse
特异性	This antibody reacts very strongly with the alpha chain of human fibrinogen, for further information please see Hogg 1983 paper quoted.
经测试应用	<b>适用于:</b> RIA, ICC, Flow Cyt, ELISA
种属反应性	<b>与反应:</b> Mouse, Rat, Human
免疫原	Tissue, cells or virus corresponding to Human Fibrinogen alpha chain. Human acute monoclastic leukemia cells.
常规说明	<p>A monocyte and neuronal antigen present predominantly on a protein of 45kDa MW. UC45 is specific for monocytic leukemias. The relevant antigens are not expressed in all cases with monocytic differentiation.</p> <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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.02% Sodium azide Constituent: 99.98% PBS
纯度	Immunogen affinity purified
纯化说明	Purified from tissue culture supernatant.

Primary antibody说明	A monocyte and neuronal antigen present predominantly on a protein of 45kDa MW. UC45 is specific for monocytic leukemias. The relevant antigens are not expressed in all cases with monocytic differentiation.
克隆	单克隆
克隆编号	UC45
骨髓瘤	P3-NS1/1-Ag4-1
同种型	IgM

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab19079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
RIA		Use at an assay dependent concentration.
ICC		Use at an assay dependent concentration.
Flow Cyt		Use 1µg for 10 <sup>6</sup> cells. <b>ab91545</b> - Mouse monoclonal IgM, is suitable for use as an isotype control with this antibody.
ELISA		Use at an assay dependent concentration. PubMed: 24959311

靶标

功能	Fibrinogen has a double function: yielding monomers that polymerize into fibrin and acting as a cofactor in platelet aggregation.
组织特异性	Plasma.
疾病相关	Defects in FGA are a cause of congenital afibrinogenemia (CAFBN) [MIM:202400]. This is a rare autosomal recessive disorder characterized by bleeding that varies from mild to severe and by complete absence or extremely low levels of plasma and platelet fibrinogen. Note=The majority of cases of afibrinogenemia are due to truncating mutations. Variations in position Arg-35 (the site of cleavage of fibrinopeptide a by thrombin) leads to alpha-dysfibrinogenemias. Defects in FGA are a cause of amyloidosis type 8 (AMYL8) [MIM:105200]; also known as systemic non-neuropathic amyloidosis or Ostertag-type amyloidosis. AMYL8 is a hereditary generalized amyloidosis due to deposition of apolipoprotein A1, fibrinogen and lysozyme amyloids. Viscera are particularly affected. There is no involvement of the nervous system. Clinical features include renal amyloidosis resulting in nephrotic syndrome, arterial hypertension, hepatosplenomegaly, cholestasis, petechial skin rash.
序列相似性	Contains 1 fibrinogen C-terminal domain.
结构域	A long coiled coil structure formed by 3 polypeptide chains connects the central nodule to the C-terminal domains (distal nodules). The long C-terminal ends of the alpha chains fold back, contributing a fourth strand to the coiled coil structure.

## 翻译后修饰

The alpha chain is not glycosylated.

Forms F13A-mediated cross-links between a glutamine and the epsilon-amino group of a lysine residue, forming fibronectin-fibrinogen heteropolymers.

About one-third of the alpha chains in the molecules in blood were found to be phosphorylated.

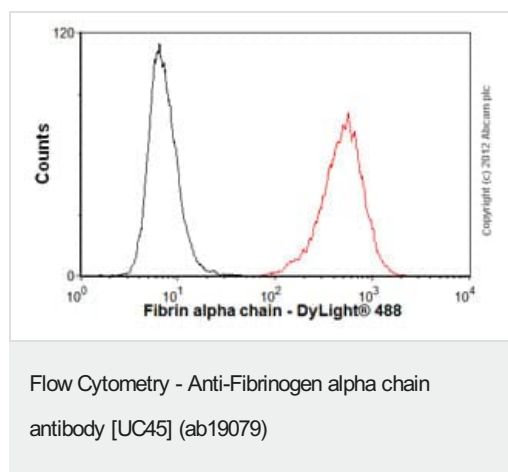
Conversion of fibrinogen to fibrin is triggered by thrombin, which cleaves fibrinopeptides A and B from alpha and beta chains, and thus exposes the N-terminal polymerization sites responsible for the formation of the soft clot. The soft clot is converted into the hard clot by factor XIIIa which catalyzes the epsilon-(gamma-glutamyl)lysine cross-linking between gamma chains (stronger) and between alpha chains (weaker) of different monomers.

Phosphorylation sites are present in the extracellular medium.

## 细胞定位

Secreted.

## 图片



Overlay histogram showing THP1 cells stained with ab19079 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab19079, 1µg/1x10<sup>6</sup> cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgM (mu chain) ([ab97007](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgM [ICIGM] ([ab91545](#), 2µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed.

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

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