

Anti-TNF alpha antibody [NF-7] ab9809

2 References **1 图像**

概述

产品名称	Anti-TNF alpha抗体[NF-7]
描述	小鼠单克隆抗体[NF-7] to TNF alpha
宿主	Mouse
经测试应用	适用于: Flow Cyt
种属反应性	与反应: Human
免疫原	Recombinant full length protein corresponding to Human TNF alpha. Database link: P01375
常规说明	<p>This antibody can be used in two-site immunoassay for the determination of human TNF alpha. It recognizes a different epitope than the monoclonal antibody ab9813. The two-site immunoassay can be used to determine TNF alpha concentration in the cultures of human peripheral blood mononuclear cells. Can also be used to neutralize TNF alpha cytotoxic activity in vitro. At a concentration of 2.5 µg/ml, antibody ab9809 causes 50% inhibition of TNF alpha mediated cytotoxicity on L929 cells.</p> <p>This product was changed from ascites to tissue culture supernatant on 28/11/2017. Lot numbers higher than GR151594-8 will be from tissue culture supernatant. Please note that the dilutions may need to be adjusted accordingly.</p> <p>This product was changed from ascites to tissue culture supernatant on 28/11/2017. Lot numbers higher than GR151594-8 will be from tissue culture supernatant. Please note that the dilutions may need to be adjusted accordingly.</p> <p>This antibody can be used in two-site immunoassay for the determination of human TNF alpha. It recognizes a different epitope than the monoclonal antibody ab9813. The two-site immunoassay can be used to determine TNF alpha concentration in the cultures of human peripheral blood mononuclear cells. Can also be used to neutralize TNF alpha cytotoxic activity in vitro. At a concentration of 2.5 µg/ml, antibody ab9809 causes 50% inhibition of TNF alpha mediated cytotoxicity on L929 cells.</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&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	pH: 7.2 Preservative: 0.1% Sodium azide
纯度	Protein A purified
Primary antibody说明	This antibody can be used in two-site immunoassay for the determination of human TNF alpha. It recognizes a different epitope than the monoclonal antibody ab9813 . The two-site immunoassay can be used to determine TNF alpha concentration in the cultures of human peripheral blood mononuclear cells. Can also be used to neutralize TNF alpha cytotoxic activity in vitro. At a concentration of 2.5 µg/ml, antibody ab9809 causes 50% inhibition of TNF alpha mediated cytotoxicity on L929 cells.
克隆	单克隆
克隆编号	NF-7
骨髓瘤	NS0/1
同种型	IgG1
轻链类型	unknown

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab9809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。

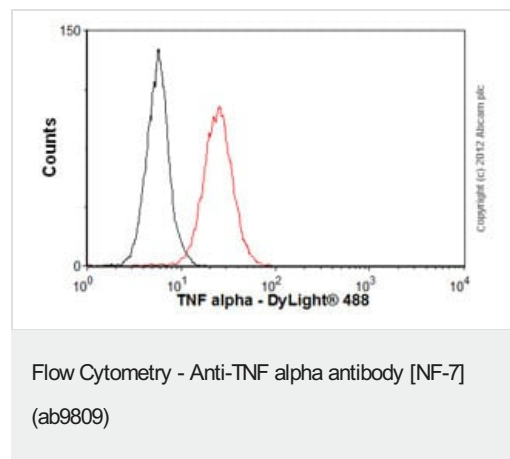
应用	Ab评论	说明
Flow Cyt		Use 2µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

功能	Cytokine that binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. It is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It is potent pyrogen causing fever by direct action or by stimulation of interleukin-1 secretion and is implicated in the induction of cachexia, Under certain conditions it can stimulate cell proliferation and induce cell differentiation.
疾病相关	Genetic variations in TNF are a cause of susceptibility psoriatic arthritis (PSORAS) [MIM:607507]. PSORAS is an inflammatory, seronegative arthritis associated with psoriasis. It is a heterogeneous disorder ranging from a mild, non-destructive disease to a severe, progressive, erosive arthropathy. Five types of psoriatic arthritis have been defined: asymmetrical oligoarthritis characterized by primary involvement of the small joints of the fingers or toes; asymmetrical arthritis which involves the joints of the extremities; symmetrical polyarthritis characterized by a rheumatoidlike pattern that can involve hands, wrists, ankles, and feet; arthritis mutilans, which is a rare but deforming and destructive condition; arthritis of the sacroiliac joints and spine (psoriatic

序列相似性	spondylitis).
翻译后修饰	Belongs to the tumor necrosis factor family. The soluble form derives from the membrane form by proteolytic processing. The membrane form, but not the soluble form, is phosphorylated on serine residues. Dephosphorylation of the membrane form occurs by binding to soluble TNFRSF1A/TNFR1. O-glycosylated; glycans contain galactose, N-acetylgalactosamine and N-acetylneuraminic acid.
细胞定位	Secreted and Cell membrane.

图片



Overlay histogram showing THP1 cells stained with ab9809 (red line). The cells were fixed with 4% paraformaldehyde (10 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 (ab9809, 2µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] ([ab91353](#), 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

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