

Anti-TNF alpha antibody [NF-7] ab9809

2 References [画像数 1](#)

製品の概要

製品名	Anti-TNF alpha antibody [NF-7]
製品の詳細	Mouse monoclonal [NF-7] to TNF alpha
由来種	Mouse
アプリケーション	適用あり: Flow Cyt
種交差性	交差種: Human
免疫原	Recombinant full length protein corresponding to Human TNF alpha. Database link: <u>P01375</u>
特記事項	<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 <u>ab9813</u>. 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 <u>ab9813</u>. 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>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.2 Preservative: 0.1% Sodium azide
精製度	Protein A purified
一次抗体 備考	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.
ポリ/モノ	モノクローナル
クローン名	NF-7
ミエローマ	NS0/1
アイソタイプ	IgG1
軽鎖の種類	unknown

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab9809の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

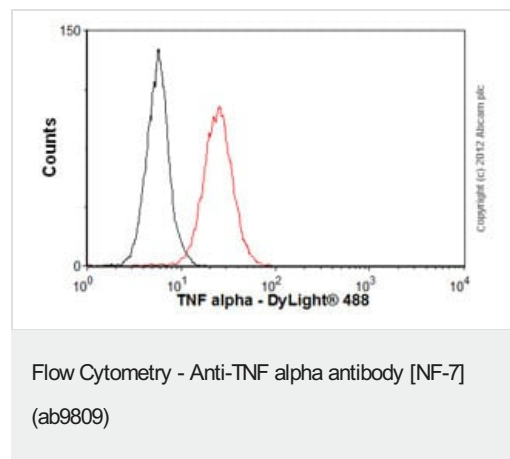
アプリケーション	Abreviews	特記事項
Flow Cyt		Use 2µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

ターゲット情報

機能	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.
関連疾患	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

	spondylitis).
配列類似性	Belongs to the tumor necrosis factor family.
翻訳後修飾	<p>The soluble form derives from the membrane form by proteolytic processing.</p> <p>The membrane form, but not the soluble form, is phosphorylated on serine residues.</p> <p>Dephosphorylation of the membrane form occurs by binding to soluble TNFRSF1A/TNFR1.</p> <p>O-glycosylated; glycans contain galactose, N-acetylgalactosamine and N-acetylneuraminic acid.</p>
細胞内局在	Secreted and Cell membrane.

画像



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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