

## Product datasheet

# Anti-TNF alpha antibody [T1] (Biotin) ab17357

### 1 References

#### 概述

<b>产品名称</b>	Anti-TNF alpha抗体[T1] (Biotin)
<b>描述</b>	小鼠单克隆抗体[T1] to TNF alpha (Biotin)
<b>宿主</b>	Mouse
<b>偶联物</b>	Biotin
<b>特异性</b>	The antibody reacts with free soluble (17 kDa) and membrane (26 kDa) human TNF-alpha. The antibody inhibits the biological activity of both forms. It does not react with receptor bound TNF-alpha.
<b>经测试应用</b>	<b>适用于:</b> IP, Flow Cyt, WB, Neutralising
<b>种属反应性</b>	<b>与反应:</b> Human
<b>免疫原</b>	This information is considered to be commercially sensitive.
<b>常规说明</b>	The antibody reacts with free soluble (17kDa) and membrane (26kDa) human TNF-alpha. The antibody inhibits the biological activity of both forms. It does not react with receptor bound TNF-alpha. It can be a useful tool to discriminate between the membrane form of TNF expressed on producer cells and the proteolytically cleaved, soluble TNF-alpha bound to its cognate cell membrane receptors (TNF-RI and TNF-RII).

#### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>存储溶液</b>	Preservative: 0.02% Sodium Azide Constituents: 0.1% BSA, PBS
<b>纯度</b>	Protein G purified
<b>Primary antibody说明</b>	The antibody reacts with free soluble (17kDa) and membrane (26kDa) human TNF-alpha. The antibody inhibits the biological activity of both forms. It does not react with receptor bound TNF-alpha. It can be a useful tool to discriminate between the membrane form of TNF expressed on producer cells and the proteolytically cleaved, soluble TNF-alpha bound to its cognate cell membrane receptors (TNF-RI and TNF-RII).
<b>克隆</b>	单克隆

克隆编号 T1  
同种型 IgG1

## 应用

Our [Abpromise guarantee](#) covers the use of **ab17357** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab 评论	说明
IP		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. <a href="#">ab18434</a> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB		Use at an assay dependent concentration. Detects a band of approximately 17, 26 kDa.
Neutralising		Use at an assay dependent concentration. For neutralization of biological activity in vitro dilutions have to be made according to the amounts of TNF-alpha to be inactivated. Before use in biological assays, the product must be filter sterilized and depending on the concentration to be used dialyzed against culture medium to remove the sodium azide added.

## 靶标

功能	Cytokine that binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFR2. 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 spondylitis).
序列相似性	Belongs to the tumor necrosis factor family.
翻译后修饰	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.

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