

# Product Information

## Anti-Human TNF alpha Protein A scaffold, Agarose-Conjugated

Cat. No.: **AFB-12LY**

This product is for research use only and is not intended for diagnostic use.

### Antigen Description

Genetic variations in TNF are a cause of susceptibility psoriatic arthritis (PSORAS). 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).

### Specific Activity

This product recognises TNF alpha.

### Source

Display library

### Species Reactivity

Human

### Expression Host

E. coli

### Storage

Store at 4°C. Do not freeze.

## ANTIGEN GENE INFORMATION

### Gene Name

[TNF tumor necrosis factor \[ Homo sapiens \]](#)

### Official Symbol

TNF

### Synonyms

DIF; TNFA; TNFSF2; TNF-alpha; tumor necrosis factor; APC1 protein; Cachectin; tumor necrosis factor-alpha; TNF, macrophage-derived; Differentiation inducing factor; Macrophage cytotoxic factor; MCF; Necrosin; TNFalpha; TNF Monocyte Derived; TNF Superfamily Member 2; TNF superfamily, member 2; TNF, monocyte derived; TNFA; Tumor necrosis factor alpha; Tumor necrosis factor ligand superfamily member 2; Tumor Necrosis Factor Precursor; Tumor necrosis factor, soluble form; Tumour Necrosis Factor Alpha

### Gene ID

[7124](#)

### mRNA Refseq

[NM\\_000594](#)

**Protein Refseq**

[NP\\_000585](#)

**MIM**

[191160](#)

**UniProt ID**

P01375

**Chromosome Location**

6p21.3

**Pathway**

Adipocytokine signaling pathway; Amoebiasis; African trypanosomiasis; Allograft rejection; Angiopoietin receptor Tie2-mediated signaling; Calcineurin-regulated NFAT-dependent transcription in lymphocytes; Death Receptor Signalling; Extrinsic Pathway for Apoptosis; FAS pathway and Stress induction of HSP regulation; Graft-versus-host disease; HIV-1 Nef: Negative effector of Fas and TNF-alpha; Hematopoietic cell lineage; IL23-mediated signaling events; MAPK signaling pathway; NOD-like receptor signaling pathway; Osteoclast differentiation; Pertussis; RIG-I-like receptor signaling pathway; SIDS Susceptibility Pathways; T cell receptor signaling pathway; TNF receptor signaling pathway; Toll-like receptor signaling pathway; Type I diabetes mellitus; amb2 Integrin signaling.

**Function**

Cytokine activity; identical protein binding; protease binding; protein binding; transcription regulatory region DNA binding; tumor necrosis factor receptor binding.