



Polyclonal Anti-Tumor Necrosis Factor α , *TNF α* (Sepharose Bead Conjugate)

Catalogue No. PA1079-S

Lot No. 01010122379125

Ig type: rabbit IgG

Size: 100 μ g/vial

Specificity

Human, mouse, rat. No cross reactivity with other proteins.

Recommended application

(Immunoprecipitation(IP))

Immunogen

A peptide mapping at the C-terminal of TNF α of human origin, different from the mouse sequence by one amino acid, and rat sequence by three amino acids.

Purification

Immunogen affinity purified.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Storage

Store at 4°C for frequent use.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

BACKGROUND

Tumor necrosis factor-alpha (TNFA) also known as TNFR1, It is a potent cytokine, elicits a broad spectrum of biologic responses which are mediated by binding to a cell surface receptor. There are 2 different proteins that serve as major receptors for TNF-alpha, one associated with myeloid cells and one associated with epithelial cells. TNFR1 maps to 12p13. TNFR1 signaling is also known to activate the transcription factor NF-kappa B and promote survival.

REFERENCE

1. Derre, J.; Kemper, O.; Cherif, D.; Nophar, Y.; Berger, R.; Wallach, D. : The gene for the type 1 tumor necrosis factor receptor (TNF-R1) is localized on band 12p13. Hum. Genet. 87: 231-233, 1991.
2. Fuchs, P.; Strehl, S.; Dworzak, M.; Himmler, A.; Ambros, P. F. : Structure of the human TNF receptor 1 (p60) gene (TNFR1) and localization to chromosome 12p13. Genomics 13: 219-224, 1992.
3. Micheau, O.; Tschopp, J. : Induction of TNF receptor I-mediated apoptosis via two sequential signaling complexes. Cell 114: 181-190, 2003.

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