



Monoclonal antibody against human Tumor necrosis factor alpha (TNF α)

Product No. BP141-08

american diagnostica gmbh
Kaplaneigasse 35 • D-64319 Pfungstadt
Tel: +49 6167 990899 • Fax: +49 6167 990808

Description

Tumor necrosis factor alpha (TNF α) is a cytokine produced by activated monocytes and macrophages. TNF α stimulates inflammation and can act directly as an inducer of apoptosis. It mediates many of the systemic acute phase responses but can also cause septic shock in patients with serious infections. Human TNF α is a 17.4 kDa protein containing 157 amino acid residues (1).

Preparation

No. BP141-08 is a mouse IgG1/I monoclonal antibody purified from cell culture supernatant by Protein A/G affinity chromatography. Human TNF α was used as the immunizing antigen.

Specificity

BP141-08 is specific for human TNF α .

Epitope specificity

Epitope specificity differs from but overlaps that of BP141-09

Reactivity

In ELISA BP141-08 reacts strongly with human TNF α with the antigen coated directly onto the microtitre well.

Presentation

Screw capped vial containing 100 μ g of purified IgG. Concentration 1 mg/ml 0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide.

Storage and Stability

Store the antibody at 2°-8°C. The antibody may be aliquoted and stored frozen at -20°C or colder. It is recommended to avoid freeze-thaw cycles.

Applications

ELISA

References

1. Scott T & Eagleson M (1988) Concise Encyclopedia Biochemistry: Walter de Gruyter, New York.