

## Data sheet

## Monoclonal antibody to human tumor necrosis factor alpha (TNF- $\alpha$ )

Cat. No.:	CT271
Clone:	B-C7
Isotype:	Mouse IgG <sub>1</sub>
Production:	<i>In vitro</i> using serum free medium.
Purification:	Ion exchange chromatography.
Packaging:	Lyophilized and vacuum-packed.
Contents:	0.5 mg/vial
Buffer:	Prior to lyophilization: 0.5 ml PBS + 125 mM trehalose.
Specificity:	Blocks TNF- $\alpha$ -induced cytotoxicity on U937 cells. Neutralizes both natural and recombinant human TNF- $\alpha$ and recognizes TNF- $\alpha$ bound to its receptor. The antibody does not bind to rodent TNF- $\alpha$ .
Sterility:	Membrane filtered (0.2 $\mu$ m).
Reconstitution:	Dissolve the contents of the vial by injection of 0.5 ml sterile distilled water.
Stability:	Lyophilized product is stable for at least one year at 4°C (expiry date is indicated on the vial). After reconstitution, the contents can be safely stored at 4°C for one month or for one year at -20°C. Add 0.02% sodiumazide to prevent bacterial growth.
Quantitation:	Antibody concentration was determined by absorbance, taking A280=1.4 for a 1 mg/ml solution.
Application:	ELISA system <i>In vitro</i> neutralization
References	Kugler, W. et al. 2002. J.Neurochemistry 82: 1160-1170 Birebent, B. et al. 1998. J.Neuroscience Res. 51: 759-770

