

## Data sheet Polyclonal antibody to rat tumor necrosis factor alpha (TNF- $\alpha$ ) Biotin-labeled

Cat. No.:	CT064
Isotype:	Rabbit Ig
Antigen:	For immunization Recombinant rat TNF- $\alpha$ ( <i>E. coli</i> -derived) is used.
Purification:	Antibodies were sequentially purified by ammonium sulphate precipitation and protein A-affinity chromatography.
Labeling:	With Biotin-7-NHS (N-hydroxysuccinimide).
Packaging:	Lyophilized and vacuum-packed.
Contents:	0.5 mg/vial
Buffer:	Prior to lyophilization: 0.5 ml PBS + 125 mM trehalose.
Specificity:	Binds with high affinity to and efficiently neutralizes both natural and recombinant rat TNF- $\alpha$ . High degree of cross-neutralizing activity with mouse TNF- $\alpha$ .
Activity:	$\geq 10^5$ neutralizing units/mg protein.
Neutralizing unit:	The neutralizing capacity was determined in a cytotoxic bioassay (Morgan <i>et al.</i> 1991. J. Immunol. Meth. 145: 259) assuming that one unit of rat TNF- $\alpha$ bioactivity corresponds with 50 $\mu$ g of rat TNF- $\alpha$ protein.
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:	Detection antibody in ELISA and ELISPOT systems

