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Data sheet Rat TNF-α ELISA antibody pair; 20-plate format

Cat. No.: CT704-20

Coating antibodies (4 vials)

Product:	Monoclonal antibody to rat tumor necrosis factor alpha (TNF-α)
Isotype:	Hamster IgG
Production:	*In vitro* using serum free medium
Purification:	Ammonium sulphate precipitation and DEAE ion-exchange chromatography
Buffer:	Prior to lyophilization: 0.25 ml PBS + 125 mM trehalose
Application:	Inject 0.25 ml distilled water into the vial and dilute 100 times in PBS. The content of one vial is sufficient for five 96-well ELISA plates (480 determinations; 50 µl/well).

Detection antibodies (4 vials)

Product:	Biotinylated polyclonal antibody to rat tumor necrosis factor alpha (TNF-α)
Isotype:	Rabbit IgG
Purification:	Ammonium sulphate precipitation, protein A- and ligand-affinity chromatography
Labeling:	With Biotin-7-NHS (N-hydroxysuccinimide)
Buffer:	Prior to lyophilization: 0.5 ml PBS + 1% BSA + 125 mM trehalose
Application:	Inject 0.5 ml distilled water into the vial and dilute 100 times in PBS + 0.5% BSA + 0.05% Tween-20. The content of one vial is sufficient for five 96-well ELISA plates (480 determinations; 100 µl/well).

Standards (10 vials)

Product:	CHO-derived recombinant rat tumor necrosis factor alpha (TNF-α)
Application:	Cytokine standard in an ELISA system
Reconstitution:	Inject 0.5 ml distilled water into the vial. Use immediately.

Conjugate (4 vials)

Product:	SPP conjugate (Streptavidin-HRP)
Application:	Inject 0.5 ml distilled water into the vial and dilute 100 times in PBS + 0.5% BSA + 0.05% Tween-20. The content of one vial is sufficient for five 96-well ELISA plates (480 determinations; 100 µl/well). The product should be used in combination with TMB substrate.

General

Sensitivity:	2 pg/ml
Specificity:	Validated for detecting natural and recombinant rat TNF-α
Sterility:	Membrane filtered (0.2 µm)
Stability:	Lyophilized SPP conjugate is stable for at least one year at -20°C in the dark, the other lyophilized products are stable for at least one year at 4°C. After reconstitution, the antibodies are stable for one year at 4°C (if kept sterile) and SPP for minimal one year at -20°C in the dark. The reconstituted standard preparation should be used immediately.
References:	Haerter, K. *et al*. 2004. J. Neuroimmun. 146: 126-132 Teunis, M.A.T. *et al*. 2002. J. Neuroimmun. 133: 30-38 Vreugdenhil, H.A. *et al*. 2003. Intensive Care Med. 29: 915-922