

## Data sheet **Monkey TNF- $\alpha$ ELISA antibody pair; 20-plate format**

Cat. No.: CT717-20

### Coating antibodies (4 vials)

Product: Monoclonal antibody to monkey tumor necrosis factor alpha (TNF- $\alpha$ )  
Isotype: Mouse IgG<sub>1</sub>  
Production: *In vitro* using serum free medium  
Purification: 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  $\mu$ l/well).

### Detection antibodies (4 vials)

Product: Biotinylated monoclonal antibody to monkey tumor necrosis factor alpha (TNF- $\alpha$ )  
Isotype: Mouse IgG<sub>1</sub>  
Production: *In vitro* using serum free medium  
Purification: Ion exchange 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  $\mu$ l/well).

### Standards (10 vials)

Product: Recombinant tumor necrosis factor alpha (TNF- $\alpha$ )  
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  $\mu$ l/well).  
The product should be used in combination with TMB substrate.

### General

Sensitivity: 1 pg/ml  
Specificity: Validated for detecting natural and recombinant rhesus macaque TNF- $\alpha$  and natural cynomolgus monkey, pig-tailed macaque, barbary macaque, baboon, African green monkey and marmoset TNF- $\alpha$ .  
Standards are calibrated with recombinant rhesus macaque TNF- $\alpha$ .  
Sterility: Membrane filtered (0.2  $\mu$ m)  
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: Campbell, J.D. *et al.* 2009. J. Clin. Invest. 119: 2564-2576