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**Data sheet Monkey IL-4 ELISA antibody pair; 20-plate format**

Cat. No.: CT712-20

**Coating antibodies (4 vials)**

Product: Monoclonal antibody to monkey interleukin 4 (IL-4)  
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 µl/well).

**Detection antibodies (4 vials)**

Product: Biotinylated monoclonal antibody to monkey interleukin 4 (IL-4)  
Isotype: Rat IgG<sub>1</sub>  
Production: *In vitro* using serum free medium  
Purification: Protein G-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: Recombinant interleukin 4 (IL-4)  
Application: Cytokine standard in an ELISA system  
Reconstitution: Dissolve the contents of one vial by injection of 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: 0.5 pg/ml  
Specificity: Validated for detecting natural and recombinant rhesus macaque and natural cynomolgus monkey, pig-tailed macaque, barbary macaque and baboon IL-4. Standards are calibrated with natural rhesus macaque IL-4.  
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 more than 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: Fallon, P.G. *et al.* 2003. J. Infect. Dis. 187: 939-945  
Hartmann, G. *et al.* 2005. Vaccine 23: 3310-3317  
De Swart, R.L. *et al.* 2002. J. Virology 76: 11561-11569

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