

## Data sheet **Monkey IFN- $\gamma$ ELISA antibody pair; 20-plate format**

Cat. No.: CT710-20

### Coating antibodies (4 vials)

**Product:** Polyclonal antibody to monkey interferon gamma (IFN- $\gamma$ )  
**Isotype:** Rabbit IgG  
**Purification:** Ammonium sulphate precipitation, protein A- and ligand-affinity 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 interferon gamma (IFN- $\gamma$ )  
**Isotype:** Mouse 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  $\mu$ l/well).

### Standards (10 vials)

**Product:** Recombinant interferon gamma (IFN- $\gamma$ )  
**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:** 2 pg/ml  
**Specificity:** Validated for detecting natural and recombinant rhesus macaque IFN- $\gamma$  and natural cynomolgus monkey, pig-tailed macaque, barbary macaque, baboon, African green monkey and marmoset IFN- $\gamma$ . Standards are calibrated with recombinant rhesus macaque IFN- $\gamma$ .  
**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 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  
Lainée, P. *et al.* 2005. Crit. Care Med. 33: 797-805  
Ozwar, H. *et al.* 2003. Infect. Immun. 71: 4375-4381  
de Waal, L. *et al.* 2004. Vaccine 22: 915-922