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**Data sheet Rat IFN- $\gamma$  ELISA antibody pair; 10-plate format**

Cat. No.: CT700-10

**Coating antibodies (2 vials)**

**Product:** Monoclonal antibody to rat interferon gamma (IFN- $\gamma$ )  
**Isotype:** Mouse IgG<sub>1</sub>  
**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  $\mu$ l/well).

**Detection antibodies (2 vials)**

**Product:** Biotinylated monoclonal antibody to rat interferon gamma (IFN- $\gamma$ )  
**Isotype:** Mouse IgG<sub>1</sub>  
**Production:** *In vitro* using serum free medium  
**Purification:** Ammonium sulphate precipitation and DEAE 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 (5 vials)**

**Product:** CHO-derived recombinant rat interferon gamma (IFN- $\gamma$ )  
**Application:** Cytokine standard in an ELISA system  
**Reconstitution:** Inject 0.5 ml distilled water into the vial. Use immediately.

**Conjugate (2 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 rat 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 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:** Rogóz, Z. *et al.* 2009. Pharmacol. Rep. 61: 1050-1060