

# U-CyTech BV

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## Data sheet Rat IL-4 ELISA antibody pair; 10-plate format

Cat. No.: CT702-10

### Coating antibodies (2 vials)

**Product:** Monoclonal antibody to rat interleukin 4 (IL-4)  
**Isotype:** Mouse IgG<sub>1</sub>  
**Production:** *In vitro* using serum free medium  
**Purification:** 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 (2 vials)

**Product:** Biotinylated polyclonal antibody to rat interleukin 4 (IL-4)  
**Isotype:** Rabbit IgG  
**Purification:** Protein A-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 (5 vials)

**Product:** Recombinant rat 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 (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 µl/well).  
The product should be used in combination with TMB substrate.

### General

**Sensitivity:** 4 pg/ml  
**Specificity:** Validated for detecting natural and recombinant rat 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 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:** Teunis, M.A.T. *et al.* 2002. J. Neuroimmun. 133: 30-38