

# U-CyTech BV

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## Data sheet Human IL-12p70 ELISA antibody pair; 20-plate format

Cat. No.: CT750-20

### Coating antibodies (4 vials)

**Product:** Monoclonal antibody to human interleukin 12p70 (IL-12p70)  
(does not bind the p40 or p35 subunits)

**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 (4 vials)

**Product:** Biotinylated polyclonal antibody to human interleukin 12p70 (IL-12p70)

**Isotype:** Rabbit IgG

**Purification:** Ammonium sulphate precipitation and 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 (10 vials)

**Product:** Recombinant human interleukin 12 (IL-12)

**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:** 4 pg/ml

**Specificity:** Validated for detecting natural and recombinant human IL-12

**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:** Hoogendoorn, M. *et al.* 2005. Clin. Cancer Res. 11: 5310-5318  
Verkade, M.A. *et al.* 2007. Nephrol. Dial. Transplant. 22: 128-138  
Wang, H. *et al.* 2011. Vaccine 29: 2328-2335