

# U-CyTech BV

Yalelaan 48  
3584 CM Utrecht  
The Netherlands  
P +31.30.253 5960  
F +31.30.253 9344  
INFO@ucytech.com  
www.ucytech.com

## Data sheet Human IL-23 ELISA antibody pair; 20-plate format

Cat. No.: CT567-20

### Coating antibodies (4 vials)

**Product:** Monoclonal antibody to human interleukin 23p19 (IL-23p19)  
(Binds the p19 subunit)

**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 human interleukin 23p40 (IL-23p40)  
(Binds the p40 subunit)

**Isotype:** Mouse IgG<sub>1</sub>

**Production:** *In vitro* using serum free medium

**Purification:** 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 µl/well).

### Standards (10 vials)

**Product:** Recombinant human interleukin 23 (IL-23p19/p40)

**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:** 2 pg/ml

**Specificity:** Validated for detecting natural and recombinant human IL-23 in supernatant

**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.