

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 IgG₁

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 IgG₁

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.