

Data sheet Mouse IL-6 ELISA antibody pair; 20-plate format

Cat. No.: CT763-20

Coating antibodies (4 vials)

Product: Monoclonal antibody to mouse interleukin 6 (IL-6)
 Isotype: Rat IgG₁
 Production: *In vitro* using Hybridoma-SFM medium
 Purification: Protein G 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 mouse interleukin 6 (IL-6)
 Isotype: Rat IgG_{2a}
 Production: *In vitro* using serum free medium
 Purification: Protein G 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 mouse interleukin 6 (IL-6)
 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 mouse IL-6.
 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.