

Data sheet **Monkey IL-1B ELISA antibody pair; 10-plate format**

Cat. No.: CT708-10

Coating antibodies (2 vials)

Product: Monoclonal antibody to monkey interleukin 1 beta (IL-1B)
 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 (2 vials)

Product: Biotinylated monoclonal antibody to monkey interleukin 1 beta (IL-1B)
 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 (5 vials)

Product: Recombinant rhesus macaque interleukin 1 beta (IL-1B)
 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: 8 pg/ml
 Specificity: Validated for detecting natural rhesus macaque and barbary macaque IL-1B
 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.