



## Data sheet Monkey IL-1 $\beta$ ELISA antibody pair; 10-plate format

Cat. No.: ACT708-10

### Coating antibodies (2 vials)

Product: Monoclonal antibody to monkey interleukin 1 beta (IL-1 $\beta$ )

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  $\mu$ l/well).

### Detection antibodies (2 vials)

Product: Biotinylated monoclonal antibody to monkey interleukin 1 beta (IL-1 $\beta$ )

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  $\mu$ l/well).

### Standards (5 vials)

Product: Recombinant rhesus macaque interleukin 1 beta (IL-1 $\beta$ )

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  $\mu$ l/well).  
The product should be used in conjunction with TMB substrate (ACT367).

### General

Sensitivity: < 2 pg/ml

Specificity: Validated for detecting natural rhesus macaque and barbary macaque IL-1 $\beta$

Sterility: Membrane filtered (0.2  $\mu$ m)

Stability: Lyophilized SPP conjugate is stable for at least one year at -20°C, 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. The reconstituted standard preparation should be used immediately.

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