

Data sheet **Monkey IL-12/23p40 ELISA antibody pair; 20-plate format**

Cat. No.: CT719-20

Coating antibodies (4 vials)

Product: Monoclonal antibody to monkey interleukin 12/23p40 (IL-12/23p40) (binds free p40 monomers, p40 dimers and the p40 subunits of heterodimeric IL-12 and heterodimeric IL-23)

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; 80 µl/well).

Detection antibodies (4 vials)

Product: Biotinylated polyclonal antibody to monkey interleukin 12 (IL-12)

Isotype: Rabbit IgG

Purification: Ammonium sulphate precipitation and protein A-affinity 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 rhesus macaque interleukin 12 (IL-12)

Application: Cytokine standard in an ELISA system

Reconstitution: Inject 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: Detects free p40 monomers, p40 dimers and the p40 subunits of heterodimeric IL-12 (p35/p40) and heterodimeric IL-23 (p19/p40).
Validated for detecting natural and recombinant rhesus macaque IL-12 and natural cynomolgus monkey, pig-tailed macaque, baboon and African green monkey IL-12. Standards are calibrated with recombinant rhesus macaque IL-12p70.

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.

References: Fallon, P.G. *et al.* 2003. J. Infect. Dis. 187: 939-945
Mortara, L. *et al.* 2006. J. Immunol. Meth. 306: 138-155
Van Rompay, K.K.A. *et al.* 2004. Antiviral Res. 63: 133-138