

Data sheet Mouse IL-4 ELISPOT antibody pair; 20-plate format

Cat. No.: CT657-20

Coating antibodies (1 vial)

Product: Monoclonal antibody to mouse interleukin 4 (IL-4)

Isotype: Rat IgG₁

Production: *In vitro* using serum free medium

Purification: Ion exchange chromatography

Contents: Each vial contains sufficient material for coating of twenty 96-well ELISPOT plates

Buffer: Prior to lyophilization: 1.0 ml PBS + 125 mM trehalose

Application: Coating antibody in an ELISPOT system

Reconstitution: Dissolve the contents of the vial by injection of 1.0 ml distilled water into the vial and dilute 100 times in PBS. The total amount of one vial is sufficient for twenty 96-well ELISPOT plates (1920 determinations; 50 µl/well).

Detection antibodies (1 vial)

Product: Biotinylated monoclonal antibody to mouse interleukin 4 (IL-4)

Isotype: Rat IgG₁

Production: *In vitro* using serum free medium

Purification: Protein G-affinity chromatography

Labeling: With Biotin-7-NHS (N-hydroxysuccinimide)

Contents: Each vial contains sufficient material for twenty 96-well ELISPOT plates

Buffer: Prior to lyophilization: 2.0 ml PBS + 1% BSA + 125 mM trehalose

Application: Detection antibody in an ELISPOT system

Reconstitution: Dissolve the contents of the vial by injection of 2.0 ml distilled water into the vial and dilute 100 times in Dilution buffer (see Technical Data Sheet). The total amount of one vial is sufficient for twenty 96-well ELISPOT plates (1920 determinations; 100 µl/well).

General

Specificity: Validated for detecting mouse IL-4

Sterility: Membrane filtered (0.2 µm)

Stability: The lyophilized products are stable for at least one year at 4 °C (expiry date is indicated on the vials).
After reconstitution, the antibodies are stable for several months at 4 °C (if kept sterile) or for minimal one year at -20 °C.

References: Han, G. *et al.* 2005. *J. Immunol.* 174: 4516-4524
Wang, J. *et al.* 2011. *Protein Pept. Lett.* 18: 73-83
Wu, F. *et al.* 2009. *Vaccine* 27: 6095-6101
Yu, H. *et al.* 2007. *Virology* 359: 264-274

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