

## Data sheet Human IL-4 ELISPOT antibody pair; 10-plate format

Cat. No.: CT642-10

### Coating antibodies (2 vials)

Product: Monoclonal antibody to human interleukin 4 (IL-4)  
Isotype: Mouse IgG<sub>1</sub>  
Production: *In vitro* using serum free medium  
Purification: Ion exchange chromatography  
Contents: Each vial contains sufficient material for coating of five 96-well ELISPOT plates  
Buffer: Prior to lyophilization: 0.25 ml PBS + 125 mM trehalose  
Application: Coating antibody in an ELISPOT system  
Reconstitution: Dissolve the contents of one vial by injection of 0.25 ml distilled water into the vial and dilute 100 times in PBS. The total amount of one vial is sufficient for five 96-well ELISPOT plates (480 determinations; 50 µl/well).

### Detection antibodies (2 vials)

Product: Biotinylated monoclonal antibody to human interleukin 4 (IL-4)  
Isotype: Rat IgG<sub>1</sub>  
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 five 96-well ELISPOT plates  
Buffer: Prior to lyophilization: 0.5 ml PBS + 1% BSA + 125 mM trehalose  
Application: Detection antibody in an ELISPOT system  
Reconstitution: Dissolve the contents of one vial by injection of 0.5 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 five 96-well ELISPOT plates (480 determinations; 100 µl/well).

### General

Specificity: Validated for detecting human 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: Arif, S. *et al.* 2004. J. Clin. Invest. 113: 451-463  
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Martin, S. *et al.* 2001. N. Engl. J. Med. 345: 1036-1040  
Raz, I. *et al.* 2001. Lancet 358: 1749-1753  
Zanone, M.M. *et al.* 2010. J. Clin. Endocrinol. Metab. 95: 3788-3797