

## Data sheet Human IFN- $\gamma$ ELISPOT antibody pair; 20-plate format

Cat. No.: CT640-20

### Coating antibodies (1 vial)

Product: Monoclonal antibody to human interferon gamma (IFN- $\gamma$ )  
 Isotype: Mouse IgG<sub>1</sub>  
 Production: *In vitro* using serum free medium  
 Purification: DEAE 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  $\mu$ l/well).

### Detection antibodies (1 vial)

Product: Biotinylated monoclonal antibody to human interferon gamma (IFN- $\gamma$ )  
 Isotype: Mouse IgG<sub>1</sub>  
 Production: *In vitro* using serum free medium  
 Purification: DEAE ion exchange 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  $\mu$ l/well).

### General

Specificity: Validated for detecting human IFN- $\gamma$   
 Sterility: Membrane filtered (0.2  $\mu$ m)  
 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  
 Blancou, *et al.* 2007. J. Immunol. 178: 7458-7466  
 Evans, R.K. *et al.* 2004. J. Pharm. Sci. 96:1924-1939  
 Grakoui, A. *et al.* 2003. Science 302: 659-662  
 Pflieger, C. *et al.* 2010. J. Autoimmun. 34:127-135  
 Skowera, A. *et al.* 2005. J. Immunol. 175: 7235-7243