

## Data sheet Human Granzyme B ELISPOT antibody pair; 10-plate format

Cat. No.: CT639-10

### Coating antibodies (2 vials)

**Product:** Monoclonal antibody to human granzyme B  
**Isotype:** Mouse IgG<sub>1</sub>  
**Production:** *In vitro* using serum free medium  
**Purification:** Ammonium sulphate precipitation and affinity 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 or (preferred) in Coating buffer for Granzyme B ELISPOT (cat. no. CT376). 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 granzyme B  
**Isotype:** Mouse IgG<sub>1</sub>  
**Production:** *In vitro* using serum free medium  
**Purification:** Ammonium sulphate precipitation and 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 granzyme B  
**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:** Shang, X-Y. *et al.* 2004. Clin. Cancer Res. 10: 6946-6955