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**Data sheet Human Perforin ELISA antibody pair; 10-plate format**

Cat. No.: CT753-10

**Coating antibodies (2 vials)**

**Product:** Monoclonal antibody to human perforin  
**Isotype:** Mouse IgG<sub>1</sub>  
**Production:** *In vitro* using serum free medium  
**Purification:** DEAE 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; 50 µl/well).

**Detection antibodies (2 vials)**

**Product:** Biotinylated monoclonal antibody to human perforin  
**Isotype:** Mouse IgG<sub>1</sub>  
**Production:** *In vitro* using serum free medium  
**Purification:** Protein G-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 (5 vials)**

**Product:** Natural human perforin (cell-culture derived)  
**Application:** Standard in an ELISA system  
**Reconstitution:** Dissolve the contents of one vial by injection of 0.5 ml distilled water into the vial. Use immediately.

**Conjugate (2 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:** 64 pg/ml  
**Specificity:** Validated for detecting natural human perforin  
**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 more than 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.