

Data sheet	Human CD3/CD28 positive control in ELISPOT
Cat. No.	CT372
Specificity	To be used as a polyclonal T cell activator in the human cytokine ELISPOT analyses. The vial contains two antibodies specific for human CD3 and CD28. A variety of different cytokines are induced by this antibody combination including IFN- γ , IL-2, IL-4, IL-5, IL-10 and IL-13.
Application	Reconstitute the lyophilized contents by injecting 500 μ l of sterile distilled water into the vial. Mix the solution gently for approximately 15 seconds and allow it to stand at room temperature for 2 minutes. Avoid vigorous shaking. Working concentration: 100x in culture medium containing $\geq 10^4$ human PBMC/ml. Add 10 μ l of the stock solution to 990 μ l culture medium containing $\geq 10^4$ human PBMC/ml (50 tests per vial).
Contents	Optimal amount of both CD3 and CD28 monoclonal antibodies for ELISPOT analyses. Buffer prior to lyophilization: 0.5 ml RPMI-1640 with 10% fetal calf serum and 125 mM trehalose. Preservative free.
Sterility	Membrane filtered (0.2 μ m)
Packaging	10 ml clear glass bottle
Storage	The lyophilized product can be safely stored at 4 $^{\circ}$ C for a defined length of time (expiry date indicated on vial). After reconstitution, the content is stable for at least 1 month at 4 $^{\circ}$ C when kept sterile. However, it is strongly recommended to divide the reconstituted product into small aliquots for single use. These aliquots should be stored at ≤ -20 $^{\circ}$ C. When the aliquots are stored at ≤ -20 $^{\circ}$ C, the product is stable for minimal 4 years.
General	A white/light pink pancake-like powder. After reconstitution: a clear solution. Do not use if the solution is or has become turbid.
Characteristics monoclonal antibodies:	This product consists of 2 monoclonal antibodies: Monoclonal antibody to human CD3 Isotype: mouse IgG _{2a} Purification: ion exchange chromatography Monoclonal antibody to human CD28 Isotype: mouse IgG ₁ Purification: affinity chromatography
Safety:	The product is not classified as hazardous according to Regulation (EC) no. 1272/2008 and its amendments. Consult the safety data sheet (SDS) for further information regarding hazards and safe handling practices. The SDS can be found on our website www.ucytech.com .

