

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 elicited 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 for 2 minutes at room temperature. 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 with 10% FCS + 125 mM trehalose. Preservative free.
Sterility:	Membrane filtered (0.2 μ m).
Packaging:	10 ml clear glass bottle.
Storage:	The lyophilized peptide pool can be safely stored at 4°C for a defined length of time (expiry date indicated on vial). After reconstitution, the peptides are stable for at least 12 months at 4°C when kept sterile. However, it is strongly recommended to divide the reconstituted peptides into small aliquots for single use. These aliquots should be stored at $\leq -70^\circ\text{C}$. Under these conditions the peptides are 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.
Safety:	The product is not classified as hazardous according to Regulation (EC) no. 1272/2008 and to Directive 1999/45/EC and its amendments. Consult the material safety data sheet (MSDS) for further information regarding hazards and safe handling practices. The MSDS can be found on our website www.ucytech.com .

