Datasheet for ABIN2691005

Human TNF ELISPOT Pair

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Overview

Quantity:	5 plate
Target:	TNF alpha
Reactivity:	Human
Application:	ELISpot

Product Details

Brand:	BD™ ELISPOT
Components:	This product contains sufficient reagent for five 96-well plates, including unlabelled capture antibody (no azide/low endotoxin format), biotinylated detection antibody, and a Certificate of Analysis that provides lot-specific optimal reagent concentrations.

Target Details

Target:	TNF alpha
Alternative Name:	TNF (TNF alpha Products)

Application Details

Application Notes:	The enzyme-linked immunospot (ELISPOT) assay is a powerful tool for detecting and enumerating individual cells that secrete a particular protein in vitro. Based on the sandwich ELISA, the ELISPOT assay derives its specificity and sensitivity by employing high affinity capture and detection antibodies and enzyme-amplification. Although originally developed for analyzing specific antibody-secreting cells, the assay has been adapted for measuring the frequencies of cells that produce and secrete other effector molecules, such as cytokines. The

Application Details

	sensitivity of the assay lends itself to measurement of even very low frequencies of cytokine producing cells (e.g., 1/300,000). Unique strengths of the assay include high sensitivity, high throughput, high content analysis, minimal volume of biological material required, applicability to frozen/thawed biological samples, and compatibility with other assays. For example, cells analyzed by ELISPOT can be transferred for cloning, proliferation assays, flow cytometry, or other methods of analysis.
Comment:	BD™ ELISPOT Human TNF ELISPOT Pair
Restrictions:	For Research Use only

Handling

Buffer:	Aqueous buffered solution containing protein stabilizer and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Publications

Product cited in:	Stafford, Matsumoto, Yin, Cai, Fung, Stephenson, Gill, You, Lin, Wang, Masikat, Li, Penta, Steiner, Baliga, Murray, Thanos, Hallam, Sato: "In vitro Fab display: a cell-free system for IgG discovery." in: **Protein engineering, design & selection : PEDS**, Vol. 27, Issue 4, pp. 97-109, (2014) (PubMed).