Datasheet for ABIN2690992

Human IL-4 ELISpot Set

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Overview

Quantity:	10 plate
Target:	IL-4 (IL4)
Reactivity:	Human
Method Type:	Cell ELISA
Application:	ELISpot

Product Details

Brand:	BD™ ELISPOT
Sample Type:	Cell Samples
Detection Method:	Colorimetric
Characteristics:	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 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.

Product Details

Components:	10 ELISPOT plates Unlabeled Capture Antibody Biotinylated Detection Antibody Enzyme Conjugate Certificate of Analysis

Target Details

Target:	IL-4 (IL4)
Alternative Name:	IL-4 (IL4 Products)

Application Details

Application Notes:	Unique strengths of the assay include the following: High sensitivity High throughput, high content analysis Minimal volume of biological material required Applicability to frozen/thawed biological samples Compatibility with other assays. For example, cells analyzed by BD™ ELISPOT can be transferred for cloning, proliferation assays,flow cytometry, or other methods of analysis.
Comment:	BD™ ELISPOT Human IL-4 ELISPOT Set - Reactivity Hu
Plate:	Uncoated
Restrictions:	For Research Use only

Handling

Storage:	4 °C
Storage Comment:	Store unopened reagents at 2-8°C. Do not use reagents after expiration date, or if turbidity is evident.

Publications

Product cited in:	Wood, Cox, Phelps, Lai, Poddar, Talbot, Mu: "Thyroid Transcription Factor 1 Reprograms Angiogenic Activities of Secretome." in: **Scientific reports**, Vol. 6, pp. 19857, (2016) (PubMed). There are more publications referencing this product on: Product page