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Datasheet for ABIN2691012
Mouse IFN- γ ELISPOT Pair

5 Publications

Overview

Quantity:	5 plate
Target:	Interferon gamma (IFNG)
Reactivity:	Mouse
Application:	ELISpot

Product Details

Brand:	BD™ ELISPOT
Sterility:	0.2 μ m filtered
Endotoxin Level:	Endotoxin level is \leq 0.01 ng/ μ g of protein.
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:	Interferon gamma (IFNG)
Alternative Name:	IFN-gamma (IFNG 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
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Application Details

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.

Comment: BD™ ELISPOT Mouse IFN-γ ELISPOT Pair

Restrictions: For Research Use only

Handling

Buffer: No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2µm filtered.

Preservative: Without preservative

Storage: 4 °C

Storage Comment: Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Publications

Product cited in: Gao, Lu, Guo, Xin: "Dual-optofluidic waveguide in-line fiber biosensor for real-time label-free detection of interferon-gamma with temperature compensation." in: **Optics express**, Vol. 28, Issue 7, pp. 10491-10504, (2021) ([PubMed](#)).

Lichtor, Chen, Elowe, Chen, Liu: "Side chain determinants of biopolymer function during selection and replication." in: **Nature chemical biology**, Vol. 15, Issue 4, pp. 419-426, (2019) ([PubMed](#)).

Hao, Pan, Huang, Wang, Zhao: "Sensitive detection of lung cancer biomarkers using an aptameric graphene-based nanosensor with enhanced stability." in: **Biomedical microdevices**, Vol. 21, Issue 3, pp. 65, (2019) ([PubMed](#)).

Hao, Pan, Shao, Lin, Zhao: "Graphene-based fully integrated portable nanosensing system for on-line detection of cytokine biomarkers in saliva." in: **Biosensors & bioelectronics**, Vol. 134, pp.

16-23, (2019) ([PubMed](#)).