

Rat Interferon gamma ELISpot Pair ab281994

Overview

Product name	Rat Interferon gamma ELISpot Pair			
Detection method	Colorimetric			
Precision	Intra-assay			
	Sample	n	Mean	SD
	Overall	3		5.3%
	Overall	3		7.1%
	Overall	3		6.8%
	Overall	3		17.5%
	Overall	3		28.4%
Sample type	Suspension cells			
Assay type	ELISPOT			
Assay duration	Multiple steps standard assay			
Species reactivity	Reacts with: Rat			
Product overview	Rat Interferon gamma ELISpot Antibody Pair (ab281994) is an antibody pair designed for analysis of cytokine and other soluble molecule production and secretion from T-cells at a single cell level by the ELISpot method.			
	For the quantitative determination of the frequency of Rat Interferon gamma-producing cells.			
	For research use only - not intended for diagnostic use.			
Tested applications	Suitable for: ELISpot			
Platform	Microplate (12 x 8 well strips)			

Properties

Storage instructions	Store at +4°C. Please refer to protocols.
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Components	10 x 96 tests
Biotinylated Rat Interferon gamma detection antibody	2 vials
Rat Interferon gamma Capture Antibody	2 x 0.5ml

Function	Produced by lymphocytes activated by specific antigens or mitogens. IFN-gamma, in addition to having antiviral activity, has important immunoregulatory functions. It is a potent activator of macrophages, it has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I interferons.
Tissue specificity	Released primarily from activated T lymphocytes.
Involvement in disease	In Caucasians, genetic variation in IFNG is associated with the risk of aplastic anemia (AA) [MIM:609135]. AA is a rare disease in which the reduction of the circulating blood cells results from damage to the stem cell pool in bone marrow. In most patients, the stem cell lesion is caused by an autoimmune attack. T-lymphocytes, activated by an endogenous or exogenous, and most often unknown antigenic stimulus, secrete cytokines, including IFN-gamma, which would in turn be able to suppress hematopoiesis.
Sequence similarities	Belongs to the type II (or gamma) interferon family.
Post-translational modifications	Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161.
Cellular localization	Secreted.

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab281994 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISpot		Use at an assay dependent concentration.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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