Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for KOA0191

Rat IFN gamma ELISA Kit

Overview

Description:	Rat IFN gamma AccuSignal ELISA Kit - KOA0191
Item No.:	KOA0191
Size:	1 Kit
Applications:	ELISA
Reactivity:	Rat
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

Background:	Interferon-gamma(IFN-gamma) is an inflammatory cytokine that has been implicated in the development of fibrosis in inflamed tissues. The production of IFN-gamma, which is under genetic control, can influence the development of fibrosis in lung allografts. IFN-gamma is also produced by natural killer(NK) cells and most prominently by CD8 cytotoxic T cells, and is vital for the control of microbial pathogens. Interferon gamma is believed to be crucial for host defense against many infections. Genetically determined variability in IFN-gamma and expression might be important for the development of tuberculosis. In addition to having antiviral activity, IFN-gamma has important immunoregulatory functions. IFN-gamma plays an important role in the control of neointima proliferation.
Synonyms:	IFNG, IFG, IFI, IFN Gamma, IFN gamma, IFN Immune, IFN-gamma, IFNG, IFNG_HUMAN, Immune Interferon, Interferon gamma, Interferon gamma, Interferon Gamma Precursor, Interferon Gamma Precursor, Macrophage Activating Factor, Macrophage Activating Factor, MAF, MAF, T Cell Interferon, T Cell Interferon, Type II Interferon, Type II Interferon
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<6 pg/ml

Target Details

Gene Name:	IFNG
Reactivity:	Rat

Immunogen:	Expression system for standard: E.coli; Immunogen sequence: E23-C156
Purity/Specificity:	Natural and recombinant rat IFN gamma. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• KOA0191 SDS • UniProtKB - P01581 • NCBI - NP_620235.1 • GeneID - 25712 • KOA0191 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 2000pg/ml,1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, rat IFN gamma standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of rat cell culture supernates or serum to each empty well. We recommend that each rat IFN gamma standard solution and each sample is measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
Other:	Sensitivity <6 pg/ml DOE @4°C 07/09/2023 @-20° 01/09/2024

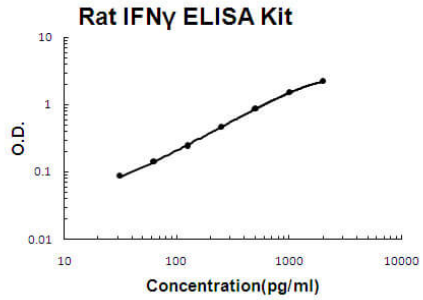
Formulation

Concentration:	1 Kit

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiration:	See kit insert for complete instructions.

Images



ELISA
Rat IFN gamma AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <6pg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.