Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Mouse IFN-gamma mAb

Catalog No.: RMK0050

Basic Information

Catalog No.
RMK0050

Catagory
Elisa Antibody Kit

Application
Multiplex

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level
/

Storage
Store at -20℃
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2 μm filtered solution in PBS with 0.05% Proclin 300, pH 7.4.

Contact

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Background

Interferon-gamma (IFN-gamma), also known as type II or immune interferon, exerts a wide range of immunoregulatory activities and is considered to be the prototype proinflammatory cytokine . Mature rat IFN-gamma exists as a noncovalently linked homodimer of 20 - 25 kDa variably glycosylated subunits. It shares 86% amino acid sequence identity with mouse IFN-gamma and 37%-45% with bovine, canine, cotton rat, equine, feline, human, porcine, and rhesus IFN-gamma. IFN-gamma dimers bind to IFN-gamma RI (alpha subunits) which then interact with IFN-gamma RII (beta subunits) to form the functional receptor complex of two alpha and two beta subunits. Inclusion of IFN-gamma RII increases the binding affinity for ligand and the efficiency of signal transduction. IFN- gamma is produced by a variety of immune cells under inflammatory conditions, notably by T cells and NK cells. It plays a key role in host defense by promoting the development and activation of Th1 cells, chemoattraction and activation of monocytes and macrophages, upregulation o...

Immunogen Information

Immunogen
Recombinant Mouse IFN-gamma Protein

Cross-Reactivity

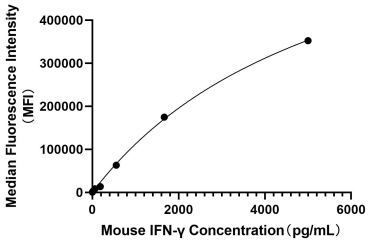
Mouse

Assay Applications

Mouse IFN-gamma Sandwich Immunoassay

		Recommended Concentration	Sample
Multiplex	Capture	0.1-5 μg/mL	Rabbit anti-Mouse IFN-gamma mAb (Cat. No. RMK0050)
	Detection	0.5-2 μg/mL	Rabbit anti-Mouse/Rat IFN-gamma mAb (Cat. No. RMK0001)
	Standard	6.86-5000 pg/mL	Recombinant Mouse IFN-gamma Protein (Cat. No. RP01070)

Validation Data



This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.