

Datasheet for ABIN6963776

anti-Interferon gamma antibody (FITC)



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1 Image

Overview

Quantity:	100 tests
Target:	Interferon gamma (IFNG)
Reactivity:	Cow, Sheep, Goat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Interferon gamma antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant bovine IFN-gamma
Clone:	MT307
Isotype:	IgG2a
Specificity:	Native and recombinant IFN- γ .
Cross-Reactivity (Details):	The monoclonal antibody cross-reacts with IFN- γ from sheep and goat.
Purification:	Purified from in vitro cultures by protein G affinity chromatography.

Target Details

Target:	Interferon gamma (IFNG)
Alternative Name:	IFNG (IFNG Products)
Gene ID:	281237, 443396

Target Details

Pathways:	Interferon-gamma Pathway , Cellular Response to Molecule of Bacterial Origin , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , ER-Nucleus Signaling , Regulation of Carbohydrate Metabolic Process , Protein targeting to Nucleus , Autophagy
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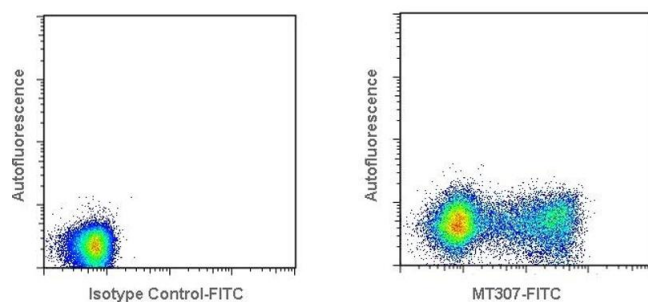
Application Details

Application Notes:	Detection of IFN- γ producing cells by flow cytometry. 5 μ L is recommended for staining of 1 million cells in a total volume of 50 μ L. Detection of IFN- γ by flow cytometry in bovine peripheral blood mononuclear cells (PBMC). Bovine PBMC were stimulated with PMA/ionomycin for 16 hours in the presence of Brefeldin A. The cells were then fixed and permeabilized using 4 % paraformaldehyde and saponin, and subsequently stained with anti-bovine IFN- γ mAb MT307-FITC (right panel). The left panel depicts stimulated cells stained with a matched isotype control antibody. The dot plots derive from a lymphocyte gate. Flow cytometry was performed on a Guava EasyCyte Mini.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	in PBS with 0.2 % BSA and 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store product at 4-8°C or frozen at -20°C or below. Avoid repeated freezing/thawing.
Expiry Date:	18 months



Flow Cytometry

Image 1. Detection of Interferon-gamma (IFN- γ) by flow cytometry in bovine peripheral blood mononuclear cells (PBMC). Bovine PBMC were stimulated with PMA/ionomycin for 16 hours in the presence of Brefeldin A. Fixed and permeabilized cells were stained with anti-bovine IFN- γ mAb MT307-FITC (right panel). Matched isotype control antibody (left panel).