

Datasheet for ABIN6963777

anti-Interferon gamma antibody (PromoFluor 647 Premium)



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1 Image

1 Publication

Overview

Quantity:	100 tests
Target:	Interferon gamma (IFNG)
Reactivity:	Cow, Sheep, Goat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Interferon gamma antibody is conjugated to PromoFluor 647 Premium
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 viable bovine PBMC. Cells were stimulated for 16 hours in the presence of PHA and Brefeldin A. Cells were then fixed and permeabilized using 4 % paraformaldehyde and saponin, and subsequently stained with MT307-PF647P (left panel). The specificity of MT307-PF647P was demonstrated by pre-incubating the antibody with recombinant bovine IFN- γ prior to staining of PBMC (middle panel). Matched isotype control antibody (right panel). The histogram derives from gated events of typical lymphocyte characteristics in forward and side light scatter. Flow cytometry was performed on a BD FACSVerse system.
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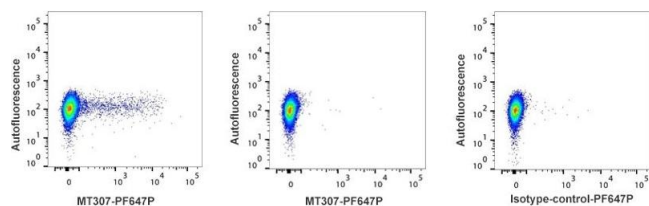
Restrictions:	For Research Use only
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Handling

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

Publications

Product cited in:	Richt, Kasinathan, Hamir, Castilla, Sathiyaseelan, Vargas, Sathiyaseelan, Wu, Matsushita, Koster, Kato, Ishida, Soto, Robl, Kuroiwa: "Production of cattle lacking prion protein." in: Nature biotechnology , Vol. 25, Issue 1, pp. 132-8, (2007) (PubMed).
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Flow Cytometry

Image 1. Detection of IFN- γ by flow cytometry in viable bovine PBMC. Stimulated, fixed and permeabilized cells were stained with anti-bovine mAb MT307-PF647P (left panel). MT307-PF647P blocked with recombinant antigen prior to labelling of cells (middle panel). Matched isotype control antibody (right panel). Flow cytometry was performed on a BD FACSVerse system.