

Product datasheet

PerCP/Cy5.5® Anti-Interferon gamma antibody [4S.B3] ab234071

[1 Image](#)

Overview

Product name	PerCP/Cy5.5® Anti-Interferon gamma antibody [4S.B3]
Description	PerCP/Cy5.5® Mouse monoclonal [4S.B3] to Interferon gamma
Host species	Mouse
Conjugation	PerCP/Cy5.5®. Ex: 482nm, Em: 690nm
Tested applications	Suitable for: Flow Cyt (Intra)
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Interferon gamma. Interferon gamma derived from human leukocytes.
Positive control	Flow Cyt (Intra): PHA-activated human PBMCs.
General notes	This product or portions thereof is manufactured under license from Carnegie Mellon University under U.S. Patent Number 5, 268, 486 and related patents. Cy® and CyDye® are trademarks of Cytiva.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.40 Preservative: 0.0975% Sodium azide Constituent: PBS
Purity	Size exclusion
Purification notes	ab234071 is conjugated with tandem dye PerCP-Cy™5.5 under optimum conditions. The

conjugate is purified by size-exclusion chromatography and adjusted for direct use.

Clonality	Monoclonal
Clone number	4S.B3
Isotype	IgG1

Applications

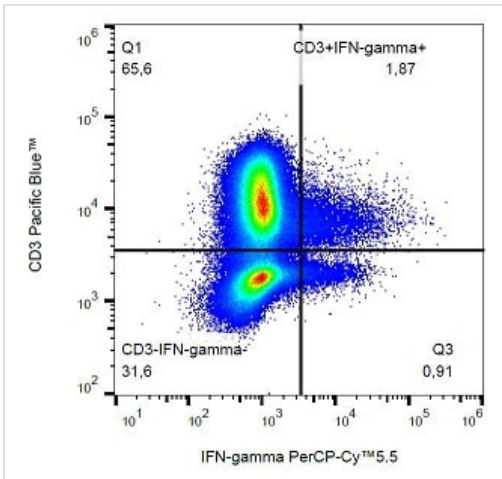
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab234071 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use 4µl for 10 ⁶ cells.

Target

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.

Images



Intracellular staining of Interferon gamma in PHA-activated human PBMC with ab234071.

Flow Cytometry (Intracellular) - PerCP/Cy5.5® Anti-Interferon gamma antibody [4S.B3] (ab234071)

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

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- Response to your inquiry within 24 hours
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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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