

## Product datasheet

# PE/Cy7® Anti-Interferon gamma antibody [4S.B3] ab234208

[1 Image](#)

### Overview

<b>Product name</b>	PE/Cy7® Anti-Interferon gamma antibody [4S.B3]
<b>Description</b>	PE/Cy7® Mouse monoclonal [4S.B3] to Interferon gamma
<b>Host species</b>	Mouse
<b>Conjugation</b>	PE/Cy7®. Ex: 496nm, Em: 774nm
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra)
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Tissue, cells or virus corresponding to Human Interferon gamma. Interferon gamma derived from human leukocytes.
<b>Positive control</b>	Flow Cyt (Intra): PHA-activated human PBMC cells.
<b>General notes</b>	<p>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.</p> <p>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.</p> <p>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&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Store In the Dark.
<b>Storage buffer</b>	<p>pH: 7.4</p> <p>Preservative: 0.0975% Sodium azide</p> <p>Constituent: PBS</p>
<b>Purity</b>	Size exclusion
<b>Purification notes</b>	ab234208 is conjugated with tandem dye PE-Cy™7 under optimum conditions. The conjugate is

	purified by size-exclusion chromatography and adjusted for direct use.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	4S.B3
<b>Isotype</b>	IgG1

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab234208 in the following tested applications.

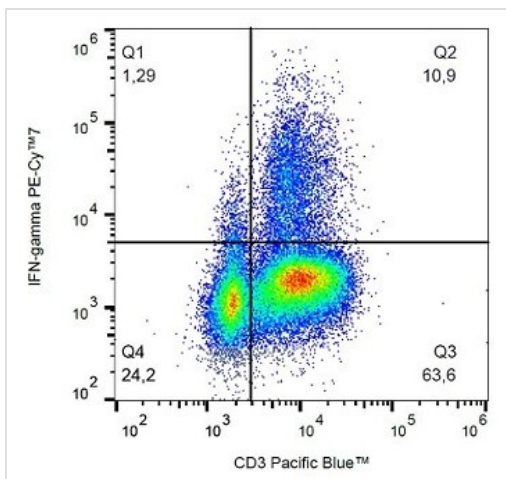
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

## Target

<b>Function</b>	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.
<b>Tissue specificity</b>	Released primarily from activated T lymphocytes.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the type II (or gamma) interferon family.
<b>Post-translational modifications</b>	Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161.
<b>Cellular localization</b>	Secreted.

## Images



Intracellular staining of Interferon gamma in PHA-activated human PBMC cells with ab234208. Gated on PBMC.

Flow Cytometry (Intracellular) - PE/Cy7® Anti-Interferon gamma antibody [4S.B3] (ab234208)

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

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