

# APC Anti-Interferon gamma antibody [XMG1.2] ab210390

[1 References](#) [1 Image](#)

### Overview

<b>Product name</b>	APC Anti-Interferon gamma antibody [XMG1.2]
<b>Description</b>	APC Rat monoclonal [XMG1.2] to Interferon gamma
<b>Host species</b>	Rat
<b>Conjugation</b>	APC. Ex: 645nm, Em: 660nm
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra)
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Positive control</b>	Flow Cyt (Intra): C57Bl/6 splenocytes.
<b>General notes</b>	<p>This clone is also widely used for neutralization of the functional activity of IFN gamma in a variety of assays.</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: 7.20</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 0.12% Monobasic dihydrogen sodium phosphate, 0.87% Sodium chloride, 0.1% Gelatin</p>
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	ab210390 was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation.

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	XMG1.2
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab210390 in the following tested applications.

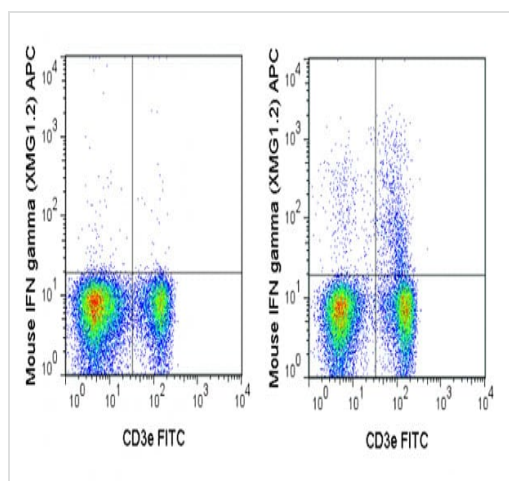
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration. Use 0.06 µg.

## 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



Flow Cytometry (Intracellular) - APC Anti-Interferon gamma antibody [XMG1.2] (ab210390)

Intracellular flow cytometric analysis of C57Bl/6 splenocytes, stimulated with PMA and Ionomycin (right panel) or unstimulated (left panel), stained with FITC Anti-Mouse CD3e, followed by intracellular labeling of IFN gamma with 0.06µg ab210390.

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

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