



## IFN gamma Antibody [XMG1.2]

CATALOG NUMBER: 77-040

### Specifications

<b>SPECIES REACTIVITY:</b>	Mouse
<b>TESTED APPLICATIONS:</b>	FACS, Func, IF, IHC
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>SPECIFICITY:</b>	The XMG1.2 is a neutralizing antibody that binds with the mouse Interferon-gamma (IFN-gamma) protein, a 15 - 17 kDa cytokine with significant antibacterial, antiviral, and antitumoral properties.
<b>HOST SPECIES:</b>	Rat

### Properties

<b>PURIFICATION:</b>	The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/μg of the protein.
<b>PHYSICAL STATE:</b>	liquid
<b>BUFFER:</b>	Phosphate-buffered aqueous solution, pH7.2.
<b>CONCENTRATION:</b>	2 mg/mL
<b>STORAGE CONDITIONS:</b>	The product should be stored undiluted at 4°C . Do not freeze.
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	Rat IgG1, kappa
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	lfg, IFN-g, lfng
<b>OFFICIAL SYMBOL:</b>	lfng
<b>GENE ID:</b>	15978

### Background

<b>BACKGROUND:</b>	The XMG1.2 is a neutralizing antibody that binds with the mouse Interferon-gamma (IFN-gamma) protein, a 15 - 17 kDa cytokine with significant antibacterial, antiviral, and antitumoral properties. When secreted by natural killer cells and by natural killer T lymphocytes, it regulates the immune response and supports adaptive immunity when produced by Th1 or CD8+ T lymphocytes. IFN-gamma plays an important role in the activation, the growth, and the differentiation of the macrophages, B and T lymphocytes, and natural killer cells. It interacts synergically with other cytokines, such as TNF-alpha, to inhibit proliferation of normal and transformed cells. IFN- gamma is the primary cytokine that defines Th-1 cells. The biological activity of IFN-gamma is not affected by glycosylation.
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FOR RESEARCH USE ONLY

December 13, 2016