

### 43-1090: Monoclonal Antibody to Mouse IFN gamma NALE™ Purified (Clone: XMG1.2)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	XMG1.2
<b>Application :</b>	FACS
<b>Reactivity :</b>	Mouse
<b>Gene :</b>	Ifng
<b>Gene ID :</b>	15978
<b>Uniprot ID :</b>	P01580
<b>Alternative Name :</b>	Interferon gamma
<b>Isotype :</b>	Rat IgG1, kappa

#### Description

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.

#### Product Info

<b>Amount :</b>	500 µg
<b>Content :</b>	2 mg/ml in Phosphate-buffered aqueous solution, pH7.2.
<b>Storage condition :</b>	The product should be stored undiluted at 4°C. Do not freeze. 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.

#### Application Note

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.