

## Data sheet **Monoclonal antibody to human interferon gamma (IFN- $\gamma$ )**

<b>Cat. No.:</b>	<b>CT215</b>
<b>Clone:</b>	MD-1
<b>Isotype:</b>	Mouse IgG <sub>1</sub>
<b>Production:</b>	<i>In vitro</i> using serum free medium.
<b>Purification:</b>	Ion exchange chromatography.
<b>Packaging:</b>	Lyophilized and vacuum-packed.
<b>Contents:</b>	0.5 mg/vial
<b>Buffer:</b>	Prior to lyophilization: 0.5 ml PBS + 125 mM trehalose.
<b>Specificity:</b>	Neutralizes both natural and recombinant human and monkey IFN- $\gamma$ <i>in vitro</i> and <i>in vivo</i> . The antibody exerts no reactivity towards mouse and rat IFN- $\gamma$ and human IFN- $\alpha$ and - $\beta$ .
<b>Activity:</b>	15000 neutralizing units/mg protein.
<b>Neutralizing unit:</b>	One neutralizing unit is defined as the total amount of antibodies sufficient for neutralizing one antiviral unit of human IFN- $\gamma$ as calibrated against NIH standard Gg 23-901-530.
<b>Sterility:</b>	Membrane filtered (0.2 $\mu$ m).
<b>Reconstitution:</b>	Dissolve the contents of the vial by injection of 0.5 ml sterile distilled water.
<b>Stability:</b>	Lyophilized product is stable for at least one year at 4°C (expiry date is indicated on the vial). After reconstitution, the contents can be safely stored at 4°C for one month or for one year at -20°C. Add 0.02% sodiumazide to prevent bacterial growth.
<b>Quantitation:</b>	Antibody concentration was determined by absorbance, taking A280=1.4 for a 1 mg/ml solution.
<b>Application:</b>	ELISPOT Immunohistochemistry <i>In vivo</i> and <i>in vitro</i> neutralization Intracellular staining Luminex technology Western blot analysis
<b>References:</b>	Giavedoni, L.D. 2005. J. Immunol. Meth. 301: 89-101 Hamann, D. <i>et al.</i> 1996. Blood 88: 3513-3521 Meyaard, L. <i>et al.</i> 1996. J. Immunology 157: 2712-2718 Wassenaar, A. <i>et al.</i> 1995. Infection and Immunity 63: 2147-2153 Wierenga, E.A. <i>et al.</i> 1990. J. Immunology 144: 4651-4656

