

**U-CyTech BV**

Yalelaan 48  
3584 CM Utrecht  
The Netherlands  
P +31.85.073 1460  
info@ucytech.com  
www.ucytech.com

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

<b>Cat. No.:</b>	<b>CT032</b>
<b>Clone:</b>	DB-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 rat IFN- $\gamma$ and mouse IFN- $\gamma$ <i>in vitro</i> and <i>in vivo</i> . The antibody does not bind to rodent IFN- $\alpha$ and - $\beta$ or to human IFNs.
<b>Activity:</b>	6000 neutralizing units of rat IFN- $\gamma$ /mg protein.
<b>Neutralizing unit:</b>	One neutralizing unit is defined as the total amount of antibodies sufficient for neutralizing one laboratory unit of recombinant rat IFN- $\gamma$ (6 x 10 <sup>6</sup> units approximates 1 mg pure rat IFN- $\gamma$ ).
<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 A <sub>280</sub> =1.4 for a 1 mg/ml solution.
<b>Application:</b>	ELISA and ELISPOT systems <i>In vitro</i> and <i>in vivo</i> neutralization Intracellular staining Western blot analysis
<b>References:</b>	Bernard, I. <i>et al.</i> 1998. Eur. Cytokine Netw. 9: 613-618 Chaudhri, G. <i>et al.</i> 2004. PNAS 101: 9057-9062 Haagmans, B. L. <i>et al.</i> 1994. J. Virol. 68: 2305-2312 Jacob, C. O. <i>et al.</i> 1989. J. Immunol. 142: 1500-1505 Nennesmo, I. <i>et al.</i> 1989. Brain Res. 504: 306-310 Rayner, D. C. <i>et al.</i> 1987. Scand. J. Immunol. 25: 621-628 Van der Meide, P.H. <i>et al.</i> 1986. J. Gen. Virology 67: 1059-1071 Verma, N.D. <i>et al.</i> 2006. Transplantation 82: 1324-1333

