



Manufactured By: U-CyTech Biosciences

Data sheet	Monoclonal antibody to rat interferon gamma (IFN- γ)
Cat. No.:	ACT032
Clone:	DB-1
Isotype:	Mouse IgG ₁
Production:	<i>In vitro</i> using serum free medium.
Purification:	Ion exchange chromatography.
Packaging:	Lyophilized and vacuum-packed.
Contents:	0.5 mg/vial
Buffer:	Prior to lyophilization: 0.5 ml PBS + 125 mM trehalose.
Specificity:	Neutralizes both natural and recombinant rat IFN- γ and mouse IFN- γ <i>in vitro</i> and <i>in vivo</i> . The antibody does not bind to rodent IFN- α and - β or to human IFNs.
Activity:	6000 neutralizing units of rat IFN- γ /mg protein.
Neutralizing unit:	One neutralizing unit is defined as the total amount of antibodies sufficient for neutralizing one laboratory unit of recombinant rat IFN- γ (6×10^6 units approximates 1 mg pure rat IFN- γ).
Sterility:	Membrane filtered (0.2 μ m).
Reconstitution:	Dissolve the contents of the vial by injection of 0.5 ml sterile distilled water.
Stability:	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.
Quantitation:	Antibody concentration was determined by absorbance, taking A280=1.4 for a 1 mg/ml solution.
Application:	ELISA and ELISPOT systems <i>In vitro</i> and <i>in vivo</i> neutralization Intracellular staining Western blot analysis
References:	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