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Data sheet Monoclonal antibody to rat interferon gamma (IFN-γ)

Cat. No.: CT054

Clone:	DB-14
Isotype:	Mouse IgG_{2a}
Production:	*In vitro* 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 *in vitro*. The antibody does not cross-react with mouse and human IFN-γ and does not bind to rat IFN-α and -ß.
Activity:	> 4000 neutralizing units of rat IFN-γ/mg IgG_{2a}.
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 µm).
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 systems *In vitro* neutralization Immunohistochemistry Western blot analysis
References:	Ljungdahl, A. *et al*. 1989. J. Neuroscience Res. 24: 451-456 Van der Meide, P.H. *et al*. 1989. Lymphokine Res. 8: 439-449