

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

Cat. No.:	CT054
Clone:	DB-14
Isotype:	Mouse IgG _{2a}
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 <i>in vitro</i> . The antibody does not cross-react with mouse and human IFN- γ and does not bind to rat IFN- α and - β .
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 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 A ₂₈₀ =1.4 for a 1 mg/ml solution.
Application:	ELISA systems <i>In vitro</i> neutralization Immunohistochemistry Western blot analysis
References:	Ljungdahl, A. <i>et al.</i> 1989. J. Neuroscience Res. 24: 451-456 Van der Meide, P.H. <i>et al.</i> 1989. Lymphokine Res. 8: 439-449

