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Data sheet

Monoclonal antibody to rat interferon gamma (IFN- γ)

Cat. No.	CT032
Clone	DB-1
Isotype	Mouse IgG ₁ , κ
Immunogen	Recombinant rat IFN- γ (CHO-derived)
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 2 to 8°C (expiry date is indicated on the vial). After reconstitution, the contents can be safely stored at 2 to 8°C for one month or for one year at -32 to -18°C. Add 0.02% sodium azide to prevent bacterial growth.
Quantitation	Antibody concentration was determined by absorbance, taking A ₂₈₀ =1.4 for a 1 mg/ml solution.
Application	ELISA and ELISPOT assays <i>In vitro</i> and <i>in vivo</i> neutralization Intracellular staining Western blot analysis

