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Data sheet

Monoclonal antibody to rat interferon gamma (IFN-γ)

Cat. No.	CT054
Clone	DB-14
Isotype	Mouse IgG _{2a} , 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 <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 x10 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 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 <i>In vitro</i> neutralization Immunohistochemistry Western blot analysis

