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Data sheet

Monoclonal antibody to human interferon gamma (IFN- γ)

Cat. No.	CT215
Clone	MD-1
Isotype	Mouse IgG ₁ , κ
Immunogen	Recombinant human IFN- γ (<i>E. coli</i> -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 human and monkey IFN- γ <i>in vitro</i> and <i>in vivo</i> . The antibody exerts no reactivity towards mouse and rat IFN- γ and human IFN- α and - β .
Activity	15000 neutralizing units/mg protein.
Neutralizing unit	One neutralizing unit is defined as the total amount of antibodies sufficient for neutralizing one antiviral unit of human IFN- γ as calibrated against NIH standard Gg 23-901-530.
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 ≥ 1 year at 2-8°C (see vial for expiry). After reconstitution, store at 2-8°C for up to one month if sterile. For long-term use, aliquot the solution and freeze at -32 to -18°C (stable ≥ 1 year). Add 0.02% sodium azide 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 assay Immunohistochemistry <i>In vivo</i> and <i>in vitro</i> neutralization Intracellular staining Luminex technology Western blot analysis

