

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

Cat. No.:	CT101
Clone:	MD-1
Isotype:	Mouse IgG ₁
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:	Binds with similar affinity to natural human, rhesus macaque, cynomolgus monkey, pig-tailed macaque, Japanese macaque, crested black macaque, barbary macaque, lion-tailed macaque, baboon, mandrill, African green monkey and black mangabey IFN- γ
Activity:	15000 neutralizing units/mg protein.
Neutralizing unit:	One neutralizing unit is defined as the total amount of antibodies sufficient for neutralizing one laboratory unit of recombinant rhesus macaque IFN- γ (one unit corresponds with approximately 50 pg recombinant rhesus macaque 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 A280=1.4 for a 1 mg/ml solution.
Application:	ELISPOT Immunohistochemistry <i>In vivo</i> and <i>in vitro</i> neutralization Intracellular staining Luminex technology Western blot analysis
References:	Auriscchio, L. <i>et al.</i> 2007. Int. J. Cancer 120: 2290-2300 Besouw, N. M. <i>et al.</i> 1994. J. Med. Primatol. 23: 42-48 Giavedoni, L.D. 2005. J. Immunol. Meth. 301: 89-101 Stevens, H.P.J.D. <i>et al.</i> 1990. Transplantation 50: 856-861 Villoslada, P. <i>et al.</i> 2000. J. Exp. Med. 191: 1799-1806