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## Data sheet

## Monoclonal antibody to monkey interferon gamma (IFN- $\gamma$ )

<b>Cat. No.</b>	<b>CT101</b>
Clone	MD-1
Isotype	Mouse IgG <sub>1</sub> , $\kappa$
Immunogen	Recombinant human IFN- $\gamma$
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	Natural IFN- $\gamma$ of humans, rhesus macaques, cynomolgus monkeys, pig-tailed macaques, Japanese macaques, crested black macaques, barbary macaques, lion-tailed macaques, baboons, mandrills, African green monkeys and black mangabeys binds with similar affinity.
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- $\gamma$ (one unit corresponds with approximately 50 pg recombinant rhesus macaque IFN- $\gamma$ ).
Sterility	Membrane filtered (0.2 $\mu$ m)
Reconstitution	Dissolve the contents of the vial by injection of 0.5 ml sterile distilled water.
Stability	Lyophilized product is stable for $\geq 1$ 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 $\geq 1$ year). Add 0.02% sodium azide to prevent bacterial growth.
Quantitation	Antibody concentration was determined by absorbance, taking A <sub>280</sub> =1.4 for a 1 mg/ml solution.
Application	ELISPOT assays Immunohistochemistry <i>In vivo</i> and <i>in vitro</i> neutralization Intracellular staining Luminex technology Western blot analysis

