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Manufactured By: U-CyTech Biosciences

# Data sheet Monoclonal antibody to human interferon gamma (IFN-γ)

**Cat. No.: ACT215**

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| Clone: | MD-1 |
| Isotype: | Mouse $IgG_1$ |
| Production: | *In vitro* 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 *in vitro* and *in vivo*. The antibody exerts no reactivity towards mouse and rat IFN-γ and human IFN-α and –ß. |
| 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 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 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.<br>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<br>Immunohistochemistry<br>*In vivo* and *in vitro* neutralization<br>Intracellular staining<br>Luminex technology<br>Western blot analysis |
| References: | Giavedoni, L.D. 2005. J. Immunol. Meth. 301: 89-101<br>Hamann, D. *et al.* 1996. Blood 88: 3513-3521<br>Meyaard, L. *et al*. 1996. J. Immunology 157: 2712-2718<br>Wassenaar, A. *et al.* 1995. Infection and Immunity 63: 2147-2153<br>Wierenga, E.A. *et al.* 1990. J. Immunology 144: 4651-4656 |



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