

## Data sheet

## Monoclonal antibody to human interferon gamma (IFN- $\gamma$ ) FITC-labeled

<b>Cat. No.:</b>	<b>CT220</b>
<b>Clone:</b>	MD-1
<b>Isotype:</b>	Mouse IgG <sub>1</sub>
<b>Production:</b>	<i>In vitro</i> using serum free medium.
<b>Purification:</b>	Ion exchange chromatography.
<b>Labeling:</b>	With 5(6)-Carboxyfluorescein-N-hydroxysuccinimide ester (FLUOS).
<b>Packaging:</b>	Lyophilized and vacuum-packed.
<b>Contents:</b>	50 $\mu$ g/vial
<b>Buffer:</b>	Prior to lyophilization: 0.5 ml PBS + 1% BSA + 125 mM trehalose.
<b>Specificity:</b>	Recognizes both natural and recombinant human and macaque IFN- $\gamma$ <i>in vitro</i> . The antibody exerts no reactivity towards mouse and rat IFN- $\gamma$ and human IFN- $\alpha$ and - $\beta$ .
<b>Sterility:</b>	Membrane filtered (0.2 $\mu$ m).
<b>Reconstitution:</b>	Dissolve the contents of the vial by injection of 0.5 ml sterile distilled water.
<b>Working conc.:</b>	1 to 2 $\mu$ l per 10 <sup>6</sup> PBMC (minimal 250 tests)
<b>Stability:</b>	Lyophilized product is, protected from light, 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 when protected from light. For long-term storage, it is recommended to divide the reconstituted product into small aliquots for single use. These aliquots are, protected by light, stable for one year at -20°C. Add 0.02% sodiumazide to prevent bacterial growth.
<b>Quantitation:</b>	Antibody concentration was determined by absorbance, taking A280=1.4 for a 1 mg/ml solution.
<b>Application:</b>	Flow cytometry Intracellular staining
<b>References:</b>	Hamann, D., <i>et al.</i> 1996. J. Immunol. 156: 1387-1391 Jonker, M., <i>et al.</i> 2013. Inflamm. Res. 62: 181-194 Kap, Y.S., <i>et al.</i> 2009. J. Histochem Cytochem. 57: 1159-1167 Van der Meide, P.H. <i>et al.</i> 1985. J. Immunol. Meth. 79: 293-305

