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## 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> , $\kappa$
<b>Immunogen</b>	Recombinant human IFN- $\gamma$ ( <i>E. coli</i> -derived)
<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, protected from light, 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, protect from light and freeze at -32 to -18°C (stable $\geq 1$ year). Add 0.02% sodium azide to prevent bacterial growth.
<b>Quantitation</b>	Antibody concentration was determined by absorbance, taking A <sub>280</sub> =1.4 for a 1 mg/ml solution.
<b>Application</b>	Flow cytometry Intracellular staining

