Human Interferon-γ Monoclonal antibody
FOR NEUTRALIZATION
General

Antibody: MT111W
Product code: 3420-1N-500
Quantity: 500 μg
Immunogen: Recombinant human IFN-γ
Isotype: Rat IgG2a
Specificity: Native and recombinant human IFN-γ. Cross-reacts with IFN-γ from non-human primates (NHP). Please visit www.mabtech.com for detailed information on NHP reactivity.
Concentration: 1 mg/ml
Buffer: Supplied in sterile filtered (0.2 μm) PBS. Contains no preservatives. The endotoxin content in the product is below 10 EU/mg.
Purification: Purified from in vitro cultures by protein G affinity chromatography.
Storage: Store product at 4-8°C or frozen at -20°C or below. Avoid repeated freezing/thawing.
Applications: Neutralization of human IFN-γ bioactivity. It is recommended to establish the optimal antibody concentration for the assay system used. The antibody is also suitable for Western blot.

Neutralization assay: Neutralization of IFN-γ induced activation of HEK BLUE IFN-γ sensor cells. To determine the neutralizing capacity and ND$_{50}$, HEK BLUE IFN-γ sensor cells were incubated with pre-mixtures of recombinant human IFN-γ (100 pg/ml) with or without serial dilutions of mAb MT111W. IFN-γ-induced enzyme secretion was measured after 20 h.

Neutralization dose 50 (ND$_{50}$): MT111W neutralized the effect of IFN-γ at a ND$_{50}$ value of 0.004-0.013 μg/ml when 100 pg/ml IFN-γ was present.

ND$_{50}$ is defined as the concentration of antibody that results in 50% inhibition of the biological response under the experimental conditions specified.
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