

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 <i>in vitro</i> 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.

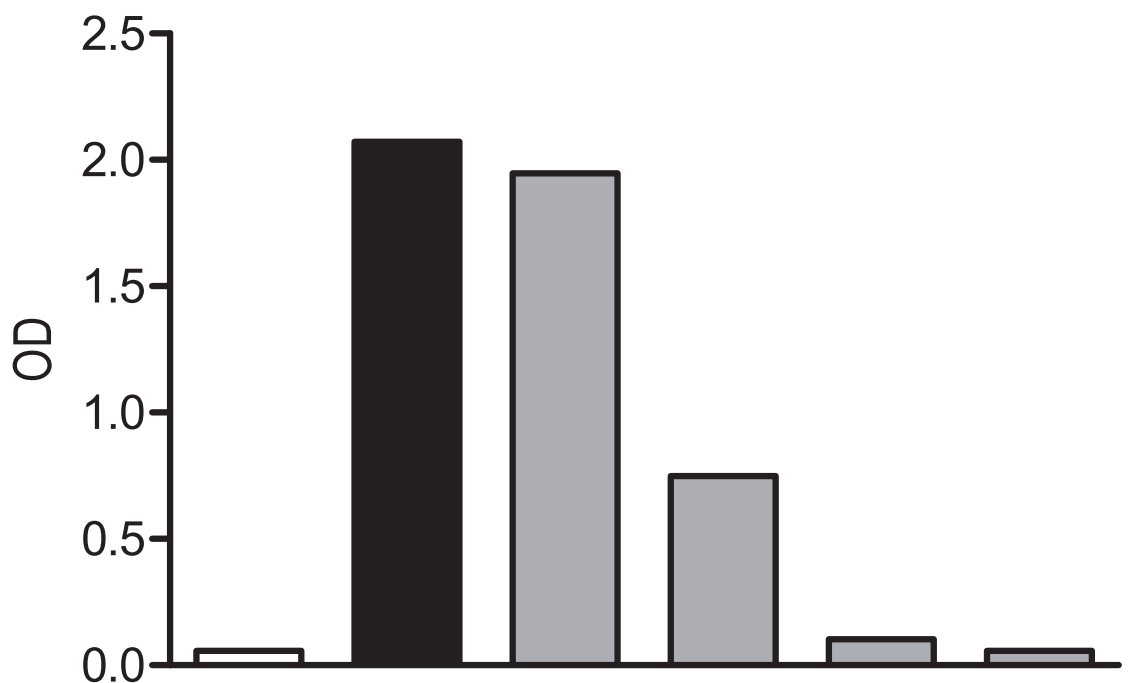
Reference: Epitope Mapping of Neutralizing Monoclonal Antibodies to Human Interferon-γ Using Human-Bovine Interferon-γ Chimeras. Zuber B. et.al. J. Interferon Cytokine Res. 2016 Sep;36(9):542-51.

Neutralization

Neutralization assay: Neutralization of IFN- γ induced activation of HEK BLUE IFN- γ sensor cells. To determine the neutralizing capacity and ND₅₀, 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 (ND50): MT111W neutralized the effect of IFN- γ at a ND₅₀ value of 0.004-0.013 μ g/ml when 100 pg/ml IFN- γ was present.

ND₅₀ is defined as the concentration of antibody that results in 50% inhibition of the biological response under the experimental conditions specified.



IFN- γ (100 pg/ml)

-

+

+

+

+

+

MT111W (μ g/ml)

-

-

0.002

0.02

0.2

2

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Mabtech AB (Head Office)
Sweden
Tel: +46 8 716 27 00
mabtech@mabtech.com

Mabtech, Inc.
USA
Tel: +1 513 871-4500
mabtech.usa@mabtech.com