Monkey IFN-γ ELISA development kit

Product Code: 3420M-1H-20

CONTENTS, development kit for 20 plates:

Vial 1 (green top)
Monoclonal antibody GZ-4 (500 µl)
Concentration: 1 mg/ml

Vial 2 (yellow top)
Biotinylated monoclonal antibody 7-B6-1 (250 µl)
Concentration: 1 mg/ml

Vial 3 (white top)
Streptavidin-Horseradish Peroxidase (250 µl)

Vial 4
Recombinant human IFN-γ standard (1µg)

To ensure total recovery of stated quantity, vials have been overfilled.

STORAGE:
Shipped at ambient temperature. On arrival vials should be stored refrigerated at 4-8°C.

General

Intended use: For quantitative determination of native and recombinant monkey IFN-γ in solution, e.g. cell culture supernatant.

Serum/plasma samples: Please note that determination of analyte in serum/plasma samples by this kit requires the use of ELISA diluent (product code: 3652-D2) for dilution of samples, standard and detection antibody. The diluent prevents false positive read-outs which may be caused by interference of heterophilic antibodies commonly found in human serum/plasma and possibly also in monkey serum/plasma. Please contact Mabtech for further information.

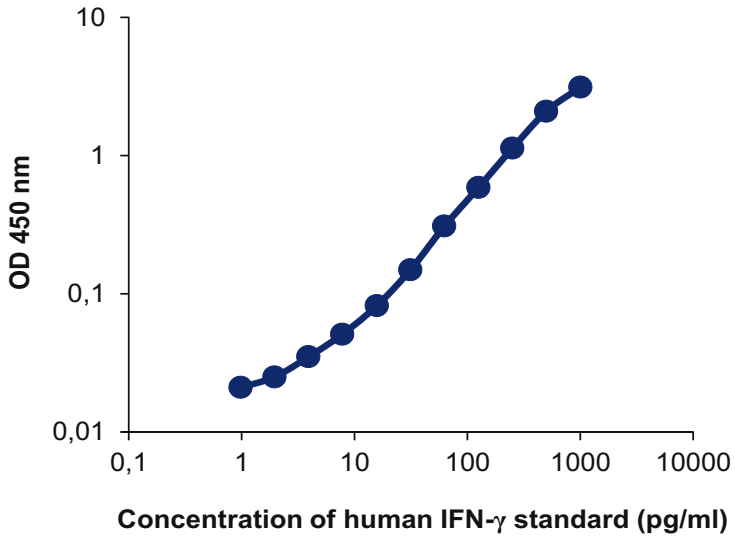
Specificity: Native and recombinant human IFN-γ and native IFN-γ from rhesus and cynomolgus macaques. Inquire for reactivities with other monkey species. For detection of chimpanzee IFN-γ the ELISA kit for human IFN-γ can be used.

Reagents: Antibodies are supplied in sterile-filtered (0.2 µm) PBS with sodium azide (0.02%). Streptavidin-HRP is supplied in PBS with 1% BSA and 0.002% Kathon CG.

Standard range: 4-400 pg/ml

Standard calibration: 1 ng of supplied standard equals 176 U of Gxg01-902-535 NIAID*-standard according to repeated calibrations. Calibration is batch-specific.

*National Institute of Allergy and Infectious Diseases, USA.



Guidelines for Monkey IFN-γ ELISA

Day 1 1. Coat a high protein binding ELISA plate with mAb GZ-4, diluted to 2 μg/ml in PBS, pH 7.4, by adding 100 μl/well. Incubate overnight at 4-8°C.

Day 2 2. Wash twice with PBS (200 μl/well).

3. Block plate by adding 200 μl/well of PBS with 0.05% Tween 20 containing 0.1% BSA (incubation buffer). Incubate for 1 hour at room temperature.

4. Wash five times with PBS containing 0.05% Tween.

5. Prepare hIFN-γ standard by reconstituting contents of vial 4 in 1 ml PBS with 1% BSA to a concentration of 1 μg/ml. Leave at room temperature for 15 minutes and then vortex the tube. The stock solution should be used immediately or stored in aliquots at -20°C for future use. We recommend the aliquots not be refrozen after initial use. For the test, prepare dilutions of the stock using the standard range as a guideline.

6. Add 100 μl/well of samples or standards diluted in incubation buffer or ELISA diluent for serum/plasma samples and incubate for 2 hours at room temperature.

7. Wash as in step 4.

8. Add 100 μl/well of mAb 7-B6-1-biotin at 1 μg/ml in incubation buffer or ELISA diluent for serum/plasma samples. Incubate for 1 hour at room temperature.

9. Wash as in step 4.

10. Add 100 μl/well of Streptavidin-HRP diluted 1:1000 in incubation buffer. Incubate for 1 hour at room temperature. **Please note that sodium azide used in buffers will inhibit HRP activity.**

11. Wash as in step 4.

12. Add 100 μl/well of appropriate substrate solution .

13. Measure the optical density in an ELISA reader after suitable developing time. If required stop the reaction first.

MABTECH AB
Augustendalsvägen 19
Box 1233, SE-131 28 Nacka Strand
Sweden
Tel: +46 8 716 27 00
Fax: +46 8 716 27 01
E-mail: mabtech@mabtech.com

MABTECH Inc
M.E.B. 220, 3814 West Street
Cincinnati, OH 45227
USA
Toll free: +1 866 ELI-SPOT
Tel: +1 513 871 4500
Fax: +1 513 871 7353
E-mail: mabtech.usa@mabtech.com

MABTECH AUSTRALIA Pty Ltd
Australia
Tel: +61 3 9470 4704
Fax: +61 3 8678 3216
E-mail: mabtech.au@mabtech.com

MABTECH AB Büro Deutschland
Germany
Tel: +49 40 4135 7935
Fax: +49 40 4135 7945
E-mail: mabtech.de@mabtech.com

MABTECH AB Bureau de liaison
France
Tel: +33 (0)4 92 38 80 70
Fax:+33 (0)4 92 38 80 71
E-mail: mabtech.fr@mabtech.com

Updated on 2015-02-12

MABTECH

NOTE; for research use only.

MABTECH shall not be liable for the use or handling of the product or for consequential, special, indirect or incidental damages therefrom.

Developed and manufactured by MABTECH AB, Sweden, whose quality management system complies with the above standards.

For more information about Mabtech services and our products, visit

www.mabtech.com