Mouse IL-10
ELISA development kit

Product Code: 3431-1H-6

CONTENTS, development kit for 6 plates:

Vial 1 (yellow top)
Monoclonal antibody 2A5 (150 µl)
Concentration: 1 mg/ml

Vial 2 (blue top)
Biotinylated monoclonal antibody 16E3 (80 µl)
Concentration: 1 mg/ml

Vial 3 (white top)
Streptavidin-Horseradish Peroxidase (80 µl)

Vial 4
Recombinant mouse IL-10 standard

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

STORAGE:
Shipped at ambient temperature. On arrival box 1 should be stored refrigerated at 4-8°C and box 2 should be stored at -20°C.

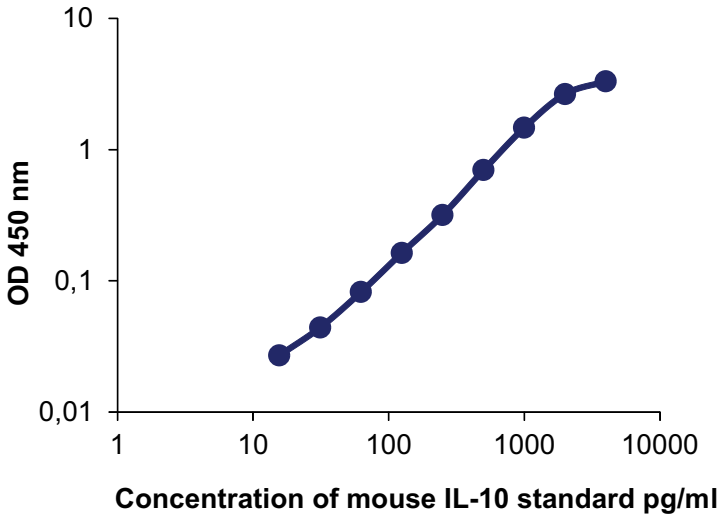
General

Intended use: For quantitative determination of native and recombinant mouse IL-10 in solution, e.g. cell culture supernatant.

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: 25-2500 pg/ml.

Standard calibration: No international standard exists for calibration.



Guidelines for Mouse IL-10 ELISA

Day 1 1. Coat a high protein binding ELISA plate with mAb 2A5, 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 mouse IL-10 standard by reconstituting contents of vial 4 in 1 ml PBS with 1% BSA to give a concentration of 0.5 µg/ml. Leave at room temperature for 15 minutes and then vortex the tube and spin down. Use immediately or store in aliquots at -20°C for future use. We recommend the aliquots not to 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 and incubate for 2 hours at room temperature. Overnight incubation at 4-8°C is recommended for optimal sensitivity.

7. Wash as in step 4.

8. Add 100 µl/well of mAb 16E3-biotin at 0.1 µg/ml in incubation buffer. 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

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