

ELISA for Monkey IL-17A

Product Code: 3520M-1H-20

CONTENTS, development kit for 20 plates:

Vial 1 (yellow top)

Monoclonal antibody MT241 (500 μ l)

Concentration: 0.5 mg/ml

Vial 2 (red top)

Biotinylated monoclonal antibody MT504 (250 μ l)

Concentration: 0.5 mg/ml

Vial 3 (white top)

Streptavidin-Horseradish Peroxidase (250 μ l)

Vial 4

Recombinant human IL-17A standard (1 μ g)

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 frozen at -20°C.

General

Intended use: For quantitative determination of monkey IL-17A in solution, e.g. cell culture supernatant.

Serum/plasma samples: Please note that cytokine determinations in serum/plasma require 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 found in plasma and serum. Please contact Mabtech for further information.

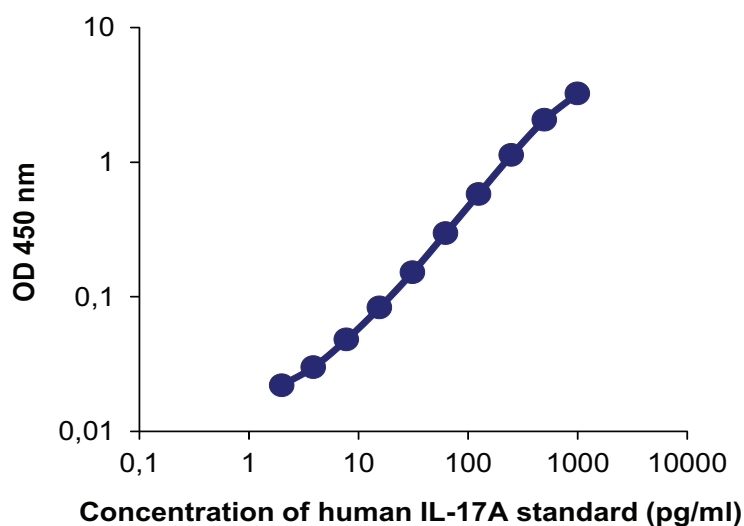
Specificity: Native and recombinant human IL-17A and native IL-17A from rhesus and cynomolgus macaques. Inquire for reactivities with other monkey species.

Reagents: Antibodies are supplied in sterile-filtered (0.2 μ m) PBS with sodium azide (0.02%). Streptavidin-HRP is supplied in PBS with 1% BSA and 0.15% Kathon CG.

Standard range: 3-300 pg/ml

Standard calibration: 1 ng of supplied standard equals 30 U of 01/420 NIBSC*-standard according to repeated calibrations. Calibration is batch-specific.

*National Institute of Biological Standards and Control, UK.



Guidelines for Monkey IL-17A ELISA

- Day 1**
1. Coat a high protein binding ELISA plate with mAb MT241, diluted to 1 $\mu\text{g/ml}$ in PBS, pH 7.4, by adding 100 $\mu\text{l/well}$. Incubate overnight at 4-8°C.
- Day 2**
2. Wash twice with PBS (200 $\mu\text{l/well}$).
 3. Block plate by adding 200 $\mu\text{l/well}$ 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 hIL-17A standard by reconstituting contents of vial 4 in 1 ml PBS with 1% BSA to a concentration of 1 $\mu\text{g/ml}$. 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 $\mu\text{l/well}$ 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 $\mu\text{l/well}$ of mAb MT504-biotin at 0.5 $\mu\text{g/ml}$ 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 $\mu\text{l/well}$ 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 $\mu\text{l/well}$ of appropriate substrate solution.
 13. Measure the optical density in an ELISA reader after suitable developing time. If required stop the reaction first.

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.



MABTECH AB
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
www.mabtech.com

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

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

2013-01-24

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



MABTECH AUSTRALIA Pty Ltd
resolvingIMAGES
Unit 22, 196 Settlement Road
Thomastown Victoria 3074
Australia
Tel: +61 3 9466 4007
Fax: +61 3 9466 4003
E-mail: mabtech.au@mabtech.com

MABTECH AB Bureau de liaison France
BP 255, 1300 route des Crêtes
06905 Sophia Antipolis
France
Tel: +33 (0)4 92 38 80 70
Fax: +33 (0)4 92 38 80 71
E-mail: mabtech.fr@mabtech.com