# ELISA for Monkey IL-17A

Product Code: 3520M-1A-20

## CONTENTS, development kit for 20 plates:

### Vial 1 (yellow top)

Monoclonal antibody MT241 (500 µl)

Concentration: 0.5 mg/ml

## Vial 2 (red top)

Biotinylated monoclonal antibody MT504 (250 μl)

Concentration: 0.5 mg/ml

## Vial 3 (white top)

Streptavidin-Alkaline Phosphatase (250 µl)

#### Vial 4

Recombinant human IL-17A standard (1 μg)

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.

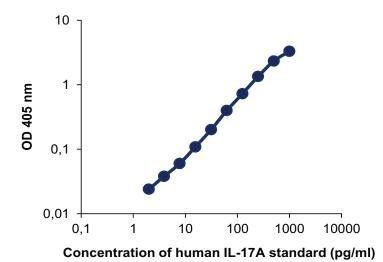
Reagents: Antibodies are supplied in sterile-filtered (0.2 µm) PBS with sodium azide (0.02%). Streptavidin-ALP is supplied in 0.1 M Tris buffer with 0.15% Kathon CG.

Standard range: 3-300 pg/ml

**Intra-assay variation:** < 4%

**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 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  $\mu$ 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  $\mu$ 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 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 MT504-biotin at 0.5 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-ALP diluted 1:1000 in incubation buffer. Incubate for 1 hour at room temperature.
  - 11. Wash as in step 4.
  - 12. Add 100 μl/well of appropriate substrate solution e.g. p-nitrophenyl-phosphate (pNPP).
  - 13. Measure the optical density (405 nm for pNPP) in an ELISA reader after suitable developing time.

#### 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.



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





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