

Mouse IL-17A ELISA development kit

Product Code: 3521-1A-20

CONTENTS, development kit for 20 plates:

Vial 1 (yellow top)

Monoclonal antibody IL17-I (500 μ l)

Concentration: 0.5 mg/ml

Vial 2 (red top)

Biotinylated monoclonal antibody MT2270 (500 μ l)

Concentration: 0.5 mg/ml

Vial 3 (white top)

Streptavidin-Alkaline Phosphatase (250 μ l)

Vial 4

Recombinant mouse 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.

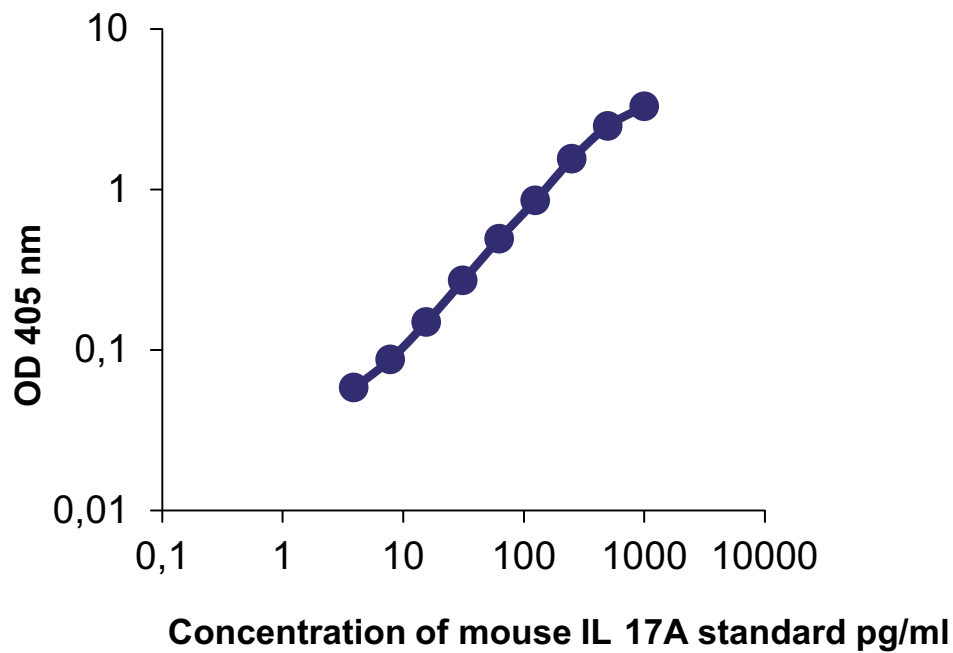
General

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

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 0.002% Kathon CG.

Standard range: 5-500 pg/ml

Standard calibration: No international standard exists for calibration.



Guidelines for Mouse IL-17A ELISA

- Day 1**
1. Coat a high protein binding ELISA plate with mAb IL17-I, 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 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-17A standard by reconstituting contents of vial 4 in 1 ml PBS to make a stock solution of 1 µg/ml. Allow the standard to dissolve for 5 minutes, mix thoroughly and aliquot. Store at -20°C and avoid repeated freeze-thaw cycles of the standard aliquots. 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.
 7. Wash as in step 4.
 8. Add 100 µl/well of mAb MT2270-biotin at 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-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), available from Mabtech product code 3652-P10.
 13. Measure the optical density (405 nm for pNPP) in an ELISA reader after suitable developing time.

Developed and manufactured by MABTECH AB, Sweden, whose quality management system complies with the standards ISO 9001:2015 & ISO 13485:2016.



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