Monkey IgA ELISA development kit

Product Code: 3860M-1H-6

CONTENTS, development kit for 6 plates:

Vial 1 (blue top)
Monoclonal antibody MT57 (300 µl)
Concentration: 0.5 mg/ml

Vial 2 (red top)
Biotinylated anti-human IgA antibody (50 µl)
Concentration: 0.5 mg/ml

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

Vial 4
Lyophilised human IgA standard for monkey IgA ELISA

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.

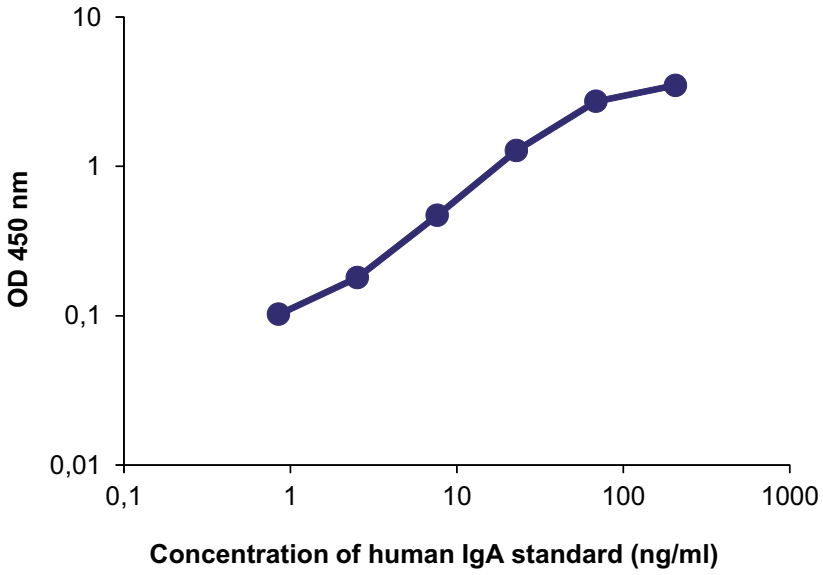
General

Intended use: For quantitative determination of native monkey IgA in solution, e.g. cell culture supernatant or serum/plasma samples.

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: 2-200 ng/ml

Standard calibration: The kit includes purified lyophilised human IgA standard since international shipping of monkey derived material is prevented by CITES regulations. The standard has been calibrated to yield an ELISA curve corresponding to a standard curve obtained with purified IgA from cynomolgus and rhesus macaques.



Guidelines for Monkey IgA ELISA

Day 1

1. Dilute mAb MT57, diluted to 2 µg/ml in PBS, pH 7.4, and filter the solution through a 0.2 µm filter. Coat a high protein binding ELISA plate with the solution 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 IgA standard by reconstituting contents of vial 4 in 500 µl PBS to make up a stock solution of 925 µg/ml. 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 and incubate for 2 hours at room temperature.
7. Wash as in step 4.
8. Add 100 µl/well of anti-IgA-biotin at 0.25 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 e.g. TMB, available from Mabtech product code 3652-F10.
13. Measure the optical density in an ELISA reader after suitable developing time. If required stop the reaction first.

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CERTIFIED ISO 9001 Quality management systems

CERTIFIED ISO 13485 Medical devices Quality management systems

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