

# Monkey IgA ELISA development kit

Product Code: 3860M-1A-6

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CONTENTS, development kit for 20 plates:

**Vial 1 (blue top)**

Monoclonal antibody MT57 (300  $\mu$ l)

Concentration: 0.5 mg/ml

**Vial 2 (red top)**

Biotinylated anti-human IgA antibody (50  $\mu$ l)

Concentration: 0.5 mg/ml

**Vial 3 (white top)**

Streptavidin-Alkaline Phosphatase (80  $\mu$ l)

**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.

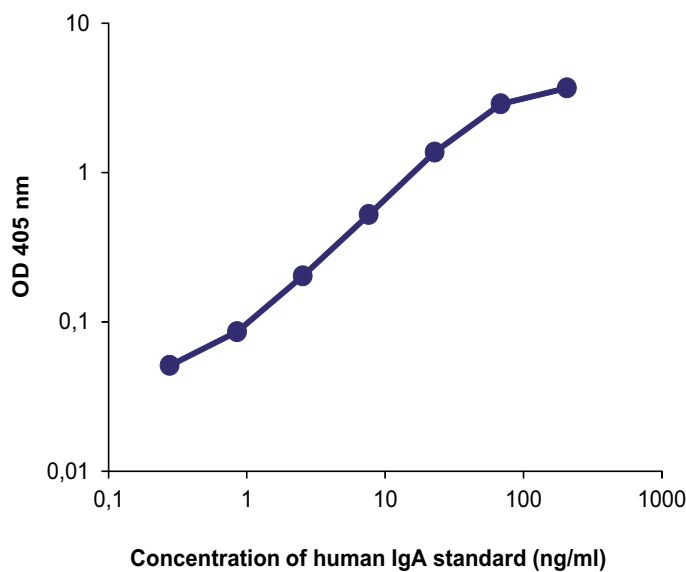
# General

**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  $\mu\text{m}$ ) PBS with sodium azide (0.02%). Streptavidin-ALP is supplied in 0.1 M Tris buffer with 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  $\mu\text{g}/\text{ml}$  in PBS, pH 7.4, and filter the solution through a 0.2  $\mu\text{m}$  filter. Coat a high protein binding ELISA plate with the solution by adding 100  $\mu\text{l}/\text{well}$ . Incubate overnight at 4-8°C.
- Day 2**
2. Wash twice with PBS (200  $\mu\text{l}/\text{well}$ ).
  3. Block plate by adding 200  $\mu\text{l}/\text{well}$  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  $\mu\text{l}$  PBS to make up a stock solution of 925  $\mu\text{g}/\text{ml}$ . 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  $\mu\text{l}/\text{well}$  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  $\mu\text{l}/\text{well}$  of anti-IgA-biotin at 0.25  $\mu\text{g}/\text{ml}$  in incubation buffer. Incubate for 1 hour at room temperature.
  9. Wash as in step 4.
  10. Add 100  $\mu\text{l}/\text{well}$  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  $\mu\text{l}/\text{well}$  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.



**The products are for research use only.**

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