Monkey IL-8 (CXCL8) ELISA development kit

Product Code: 3560M-1H-20

CONTENTS, development kit for 20 plates:

Vial 1 (purple top)
Monoclonal antibody MT8H6 (1000 µl)
Concentration: 0.5 mg/ml

Vial 2 (blue top)
Biotinylated monoclonal antibody 26E5 (150 µl)
Concentration: 0.5 mg/ml

Vial 3 (white top)
Streptavidin-Horseradish Peroxidase (250 µl)

Vial 4
Recombinant human IL-8 standard (0.6 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

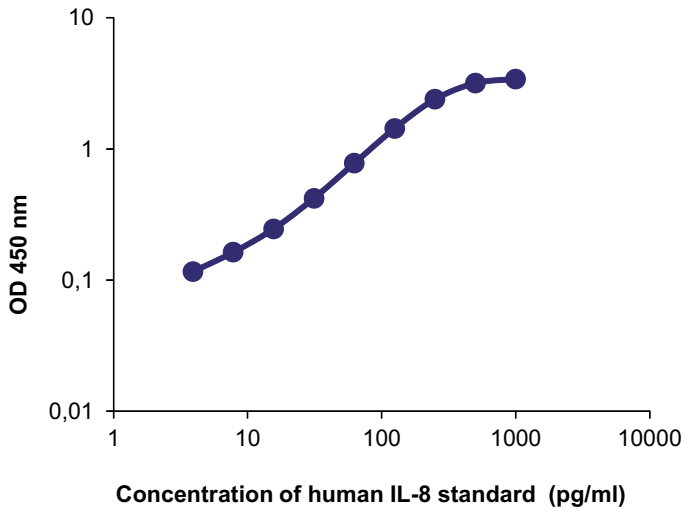
Intended use: For quantitative determination of native monkey IL-8 in solution, e.g. cell culture supernatant. The monoclonal antibodies cross-reacts with IL-8 from cow, thus the use of bovine serum in cell-cultures is not recommended.

Serum/plasma samples: Please note that cytokine determinations in serum/plasma require the use of Assay buffer (product code: 3652-J2) for dilution of samples, standard and detection antibody. The buffer prevents false positive read-outs which may be caused by interference of heterophilic antibodies commonly found in human serum/plasma and possibly also in monkey serum/plasma. Please contact Mabtech for further information.

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: 8-800 pg/ml

Standard calibration: No international standard exists for calibration.



Guidelines for Monkey IL-8 (CXCL8) ELISA

Day 1 1. Coat a high protein binding ELISA plate with mAb MT8H6, diluted to 2 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% Tween20

5. Prepare IL-8 standard by reconstituting contents of vial 4 in 1 ml PBS to a concentration of 0.6 µg/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 Assay buffer 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 26E5-biotin at 0.1 µg/ml in incubation buffer or Assay buffer for serum/plasma samples. 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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