Bovine IL-8 (CXCL8) ELISA development kit

Product Code: 3114-1A-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-Alkaline Phosphatase (250 µl)

Vial 4
Recombinant bovine IL-8 standard (0.3 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.

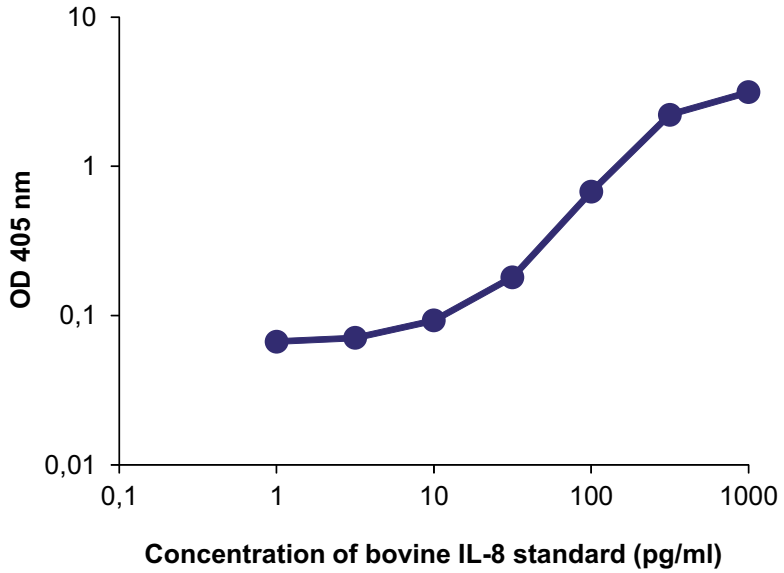
General

Intended use: For quantitative determination of native or recombinant bovine IL-8 in solution, e.g. cell culture supernatant and serum/plasma samples. The monoclonal antibodies were developed for human IL-8 and cross-react with IL-8 from cow, monkey and dog.

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: 8-800 pg/ml

Standard calibration: No international standard exists for calibration



Guidelines for Bovine 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 0.3 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 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. 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.

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

CERTIFIED ISO 9001 Quality management systems

CERTIFIED ISO 13485 Medical devices Quality management systems

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Mabtech AB (Head Office)
Sweden
Tel: +46 8 716 27 00
mabtech@mabtech.com

Mabtech, Inc.
USA
Tel: +1 513 871-4500
mabtech.usa@mabtech.com

www.mabtech.com