

Bovine IgG ELISA development kit

Product Code: 3150-1HD-6

CONTENTS: development kit for 6 plates

Vial 1 (green top)

Monoclonal antibody MT134 (300 μ l)

Concentration: 0.5 mg/ml

Vial 2 (yellow top)

Monoclonal antibody MT391-HRP (80 μ l)

Vial 3

Lyophilised bovine IgG standard

To ensure total recovery of stated quantity, vials have been overfilled.

STORAGE:

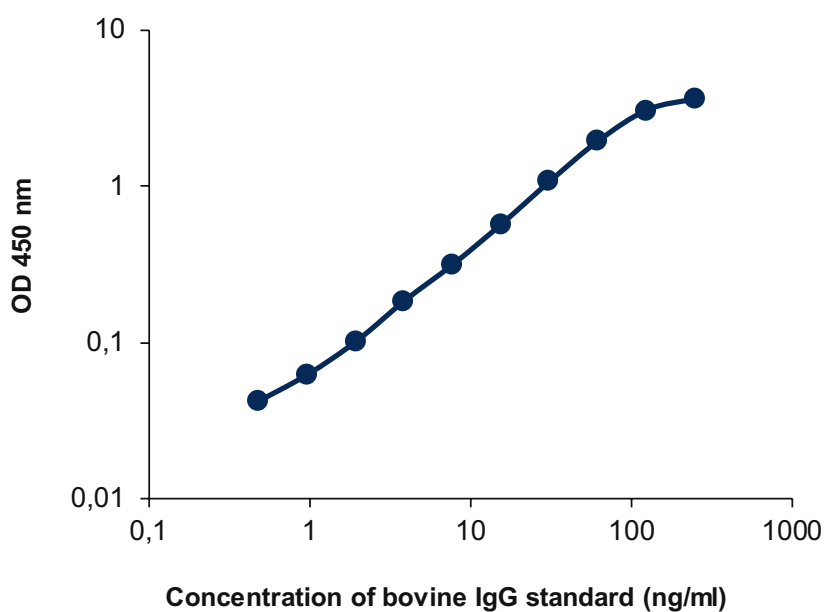
Shipped at ambient temperature. On arrival box 1 should be stored refrigerated at 4-8°C and box 2 should be stored frozen at -20°C.

General

Intended use: For quantitative determination of native bovine IgG in serum and plasma.

Reagents: MT134 is supplied in sterile-filtered (0.2 μm) PBS with sodium azide (0.02%). MT391-HRP is supplied in storage buffer with 0.002% Kathon.

Standard range: 1-100 ng/ml



Guidelines for Bovine IgG ELISA

- Day 1**
1. Coat a high protein binding ELISA plate with MT134 antibody, diluted to 1 $\mu\text{g}/\text{ml}$ in PBS, pH 7.4, by adding 100 $\mu\text{l}/\text{well}$. Incubate overnight at 4-8°C.
- Day 2**
2. Wash five times PBS with 0.05% Tween 20 (PBS-Tween)
 3. Prepare bovine IgG standard by reconstituting contents of vial 3 in 500 μl PBS to make up a stock solution of 50 $\mu\text{g}/\text{ml}$. 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.
 4. Add 100 $\mu\text{l}/\text{well}$ of samples or standards diluted in PBS-Tween. It is recommended to make serial dilutions of samples to obtain results within the standard range. Incubate for 2 hours at room temperature.
 5. Wash as in step 2.
 6. Add 100 $\mu\text{l}/\text{well}$ of MT391-HRP diluted 1:1000 in PBS-Tween. Incubate for 1 hour at room temperature.
 7. Wash as in step 2.
 8. Add 100 $\mu\text{l}/\text{well}$ of appropriate substrate solution.
 9. Measure the optical density 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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