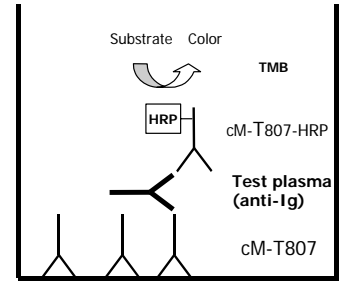


SOP 04-12: Anti-cM-T807 ELISA

Purpose and principle:

This assay will detect pre-existing or induced antibodies against the recombinant immunoglobulin cM-T807 in monkey plasma. cM-T807 is immobilized on plates and serially diluted plasma or serum is added. If monkey antibodies bind to immobilized cM-T807, they will also bind cM-T807-HRP added in the next step due to monkey antibody's bivalency. Bound cM-T807-HRP is routinely detected.



Materials:

- ELISA plates (NUNC #467466)
- 1X PBS
- Super Block Blocking Reagent Buffer in PBS (Pierce # 37515)
- cM-T807 (will be provided)
- Test plasma or serum
- Control plasma (will be provided)
- cM-T807-HRP (will be provided)
- Dilution buffer (PBS/0.5% nonfat dried milk)
- Wash buffer (PBS/0.5% nonfat dried milk/0.01% Tween 20)
- TMB (KPL # 50-76-06)
- H₂SO₄ (Stop Solution, KPL # 50-85-04)

Procedure:

1. Plates are coated overnight at 4°C with cM-T807 in PBS (100 ul at 5 ug/ml)
2. Plates are blocked for 15 min at RT with Superblock (300 ul)
3. Test plasma or serum is serially diluted in dilution buffer (starting at 1:10, doing 8 or 10 subsequent 1:2 dilutions) and 100 ul applied to plates
4. After 1-2 hr incubation at RT, plates are washed with wash buffer
5. cM-T807-HRP diluted 1:3,000 in dilution buffer is added (100 ul)
6. After 1 hr incubation at RT, plates are washed with wash buffer.
7. TMB is added (100 ul) for 10-20 minutes, then stopped with H₂SO₄
8. OD read on ELISA reader

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