

題號： 344

科目：免疫學(B)

節次： 1

國立臺灣大學 103 學年度碩士班招生考試試題

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1. Please describe the structure of secretory IgA. (4%)
2. What is ADCC ? (6%)
3. Please design a method to detect a specific serum antibody. (6%)
4. Please describe the interactions between T and B cells in lymph node. (6%)
5. What are anergic T and B cells? (6%)
6. Please describe the classical pathway of complement activation. (5%)
7. Please describe Th1 versus Th2 response. (10%)
8. What are the differences between type I and type IV hypersensitivity? (10%)
9. Please describe the mechanisms of the generation of antibody diversity. (10%)
10. What are the differences among antigen, mitogen and superantigen? (10%)
11. Please compare the structures of MHC I and MHC II molecules. (6%)
12. Please compare the cytosolic and endocytic pathway in antigen processing and presentation. (10%)
13. Please describe the structure of TCR/CD3 complex. (5%)
14. What are the differences between passive and active immunization? (6%)

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