

Virology Live Fall 2021
Vincent Racaniello
Study Questions for session 14 – Adaptive immunity

These questions are intended to summarize key points from this session and prepare you for the exams.

1. How are viral peptides presented to the two types of T cells? What are some of the viral countermeasures to antigen processing and display? What is the difference between the two types of T cell responses?
2. Why do your lymph nodes swell when you have an infection?
3. What is a neutralizing and non-neutralizing antibody? Where in the body are they found, and how do they prevent virus infections? How do viruses counter antibody?
4. How do T cells control virus infections? Are they generally more important for preventing or resolving virus infections?
5. How is the decision made to favor T cells or antibody production during viral infection?
6. What is immune memory? How is it maintained? Why do we need it?