

Unit 3 C221 VHW 14
Delayed Hypersensitivity
Type IV Hypersensitivity

The first three types of hypersensitivity (Type-I, Type-II, and Type-III) involve the action of antibodies. Type IV hypersensitivity is a mechanism caused by cytotoxic T cells.

1. What type of hypersensitivity is caused by CD8 cells?
2. What disease conditions are caused by this type of hypersensitivity?
3. What is the mechanism of disease in poison oak dermatitis?
4. What is the “hpaten”? Where did it come from?
5. What WBC will process the hapten? What is the next cell to be influenced by the first step?
6. What happens during a second exposure to the same hapten?
7. What cell releases cytokines? What occurs after the cytokines are secreted?
8. After the second exposure to the plant, how long does it take before you see the skin lesions?