

Common antigen

Name _____

Let's make a word suitable for the next blank.

In the immune system, one antibody is produced in one antigen. However, if there are multiple antigens that are similar in shape, one antibody may bind to all of them and lead to allergic symptoms. Antigens that react with such same antibodies are called common antigens. In addition, common commonality is called common antigenicity.

This figure is a correspondence table of common antigens having particularly high common antigenicity.

pollen	fruit
<u>Birch</u>	Apple, <u>peach</u> , kiwi, melon, soy
Poaceae	Peach, watermelon, melon, tomato, peanut
Mugwort	Almond, kiwi, melon, oranges
Japanese cedar	Apple, peach, kiwi, melon, tomato

What specifically refers to "high common antigenicity"? Let's explain using birch and peach in the table above.

Answer

The degree of allergic symptoms appearing when birch pollen enters the body and when the peach is eaten is near.