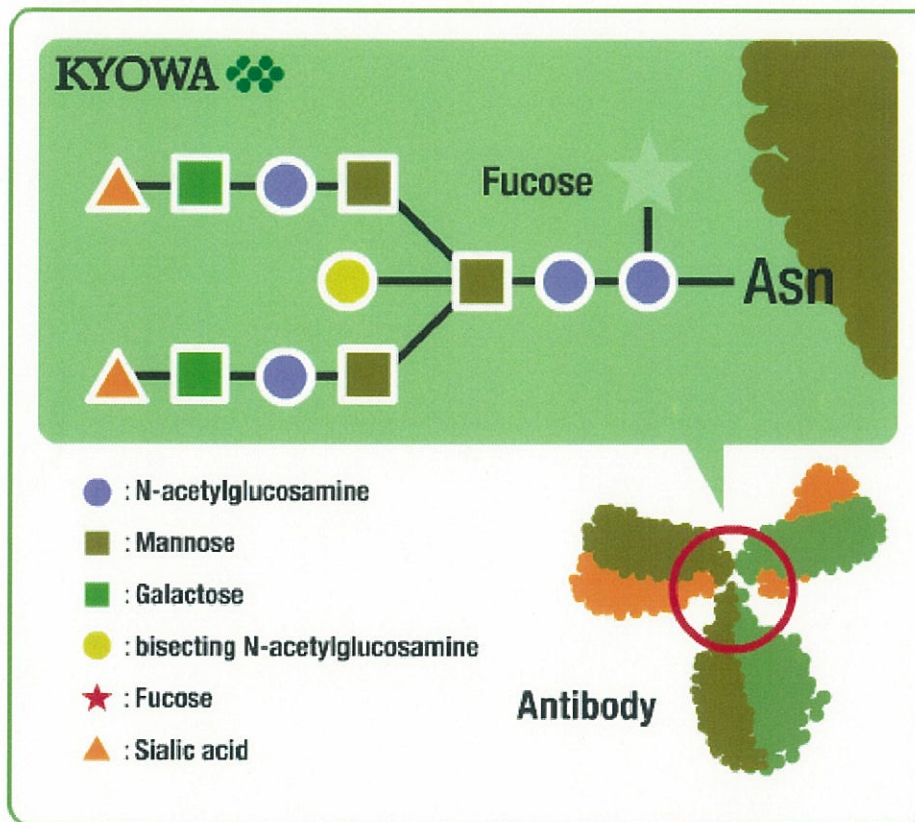


ADCC-Enhancing Technology



Characteristics of Kyowa Hakko's high ADCC activity antibody generating technology are lowering the content of fucose in antibody's carbohydrate chains and dramatically increasing ADCC activity to exhibit highly efficient killing activity on targets like cancer cells.

There have been reports of the researches focusing on carbohydrate chains other than fucose, or trying to enhance ADCC activity by amino acid substitution. However, neither of these approaches achieved significant effect.

Kyowa Hakko has confirmed an antibody with this technology applied exhibits more than 100 times greater anticancer efficacy than a conventional antibody in animal studies. Kyowa Hakko has also confirmed this approach can contribute to develop therapeutic antibodies for allergies.