

Recombinant Protein

The technology is a lectin based recombinant protein molecule that can be used in the diagnosis and treatment of cancer, as well as a blood grouping reagent. The molecule has shown an ability to bind to different types of cancers depending on the molecule's recombinant form.

Salient Features

Earlier large doses of chemotherapeutic agents were placed into a patient, the toxicity of the dosage had to be reduced given it would impact a patient's entire body. Now, by combining these treatments with molecules that just bind to cancer cells, the toxicity and thereby the effectiveness of the treatments can be greatly increased.

Major Application / End Users

- Pharmaceutical companies for the treatment of cancer patients
- Blood grouping reagents are used to determine the blood type of blood samples