Antibody therapy and other targeted therapies Antibodies are proteins in your blood. Some antibody treatments are joined to another treatment, eg chemotherapy, to help target that treatment to the lymphoma cell. The antibodies stick to proteins on the surface of bacteria or viruses that cause infection. Just like bacteria and viruses, lymphoma cells have proteins on their surface. The antibodies target these proteins, stick to them and mark the lymphoma cells to be killed by your immune system. Rituximab (MabThera(R)) is the antibody treatment most often given to treat lymphoma. It uses antibodies that have been made in a laboratory.