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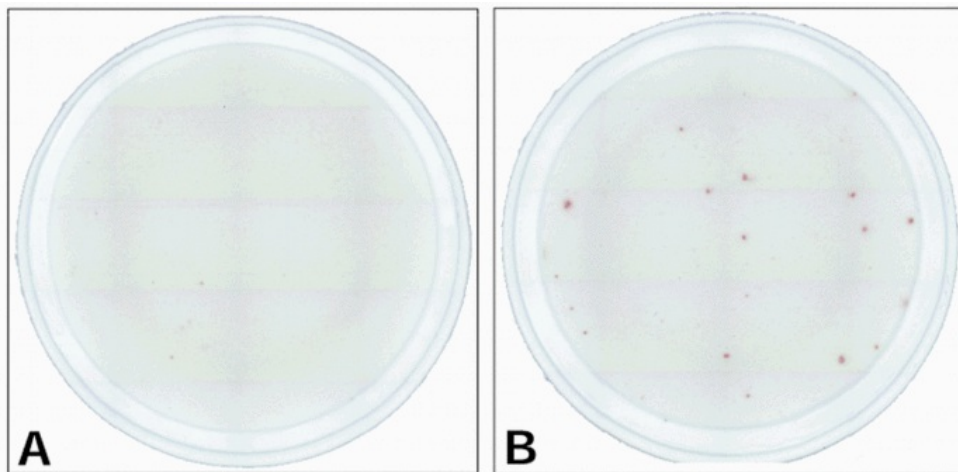
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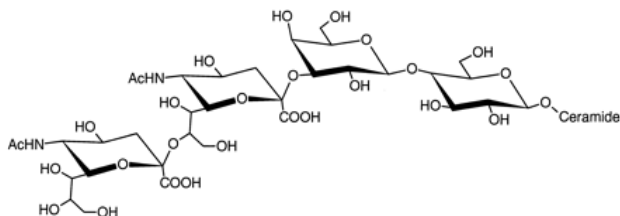
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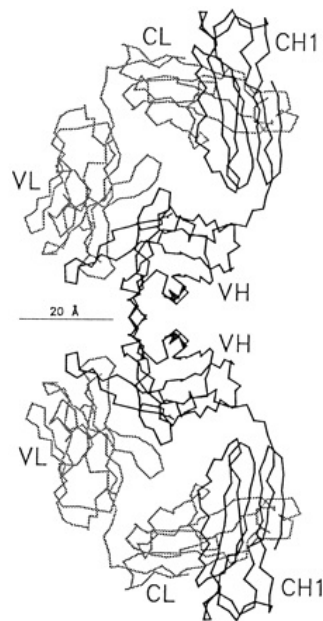
specific immune responses against cancer is a critical component of this clinical research, and requires sensitive and reproducible assays. Members of the laboratory have developed and validated assays to measure antibody and T cell responses in patients undergoing treatment, including ELISPOT assay and 8-9 parameter flow cytometry for evaluating proportions of activated, functional lymphocyte populations. We have established a strong collaboration with Dr. Philip J. Bergman at the Animal Center of New York to investigate new cancer immunotherapies for treatment of companion animals with cancer. Companion animals live in the same milieu as humans, are exposed to similar environmental factors, and develop types of cancers that are comparable to human cancers. This collaboration provides access to some of the newest treatments to companion animals with cancer and helps facilitate and accelerate translation into clinical trials in humans.



T-cell repertoire measured by ELISPOT assay before (A) and after (B) vaccination with tyrosine peptide and adjuvant.



GD3 ganglioside, a target for monoclonal antibody therapy.



Crystal Structure of R24 Antibody

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