

# Biotherapeutics: mode of action and safety screening

Biomarkers

**We are highly specialized  
in hematology, oncology,  
immunology and  
transfusion medicine.**

- Biomarkers
- Cellular products & services
- Antibodies



# The Intelligent Research Organisation for Bridging Innovations

## What defines us:

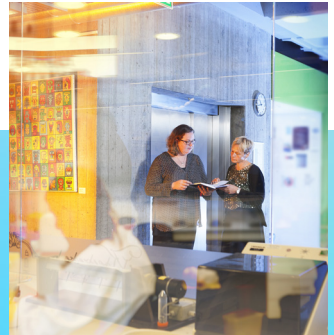
The blood experts



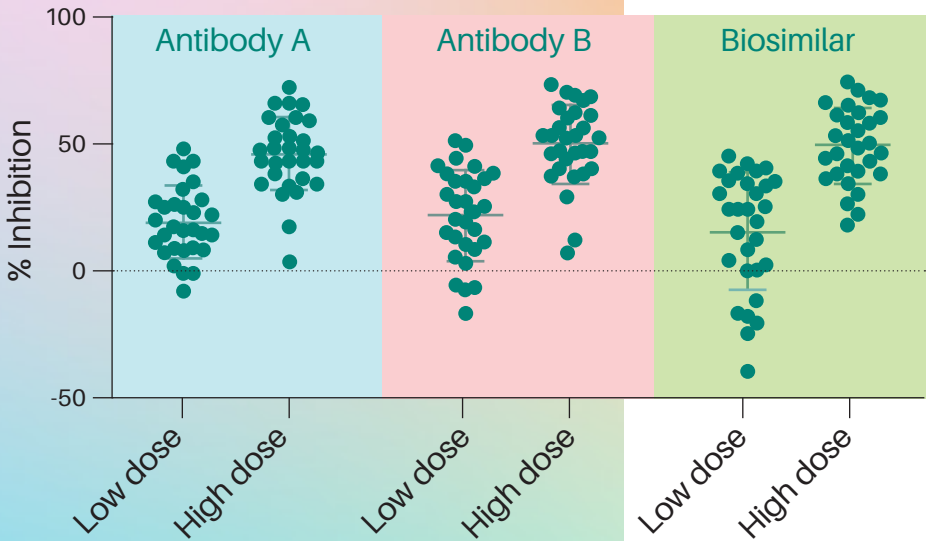
Top level expertise



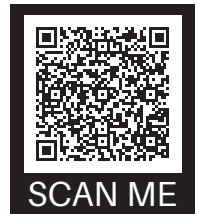
Focus on professionalism



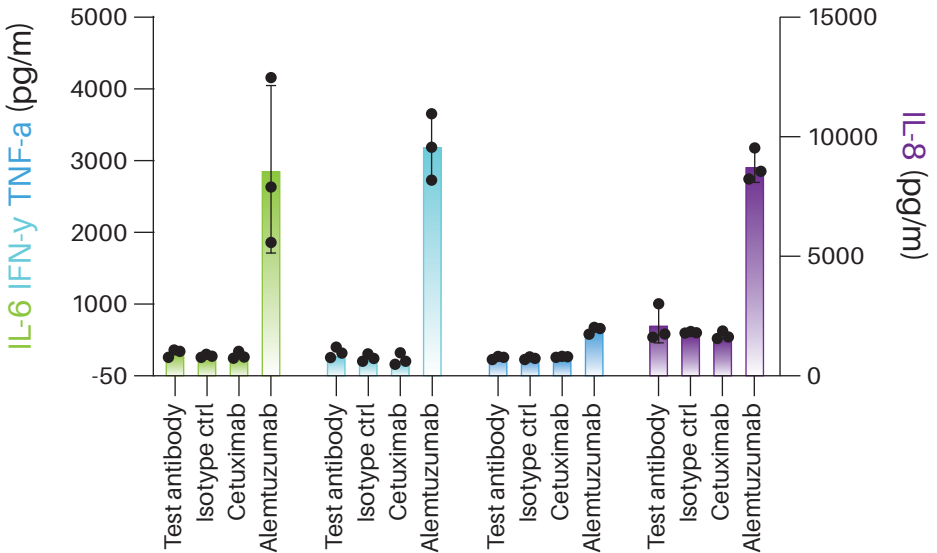
# Biologics targeting TNF decrease allogeneic T cell proliferation



Dose-dependent inhibition of PBMC proliferation compared to vehicle ctrl in Mixed Lymphocyte Reaction



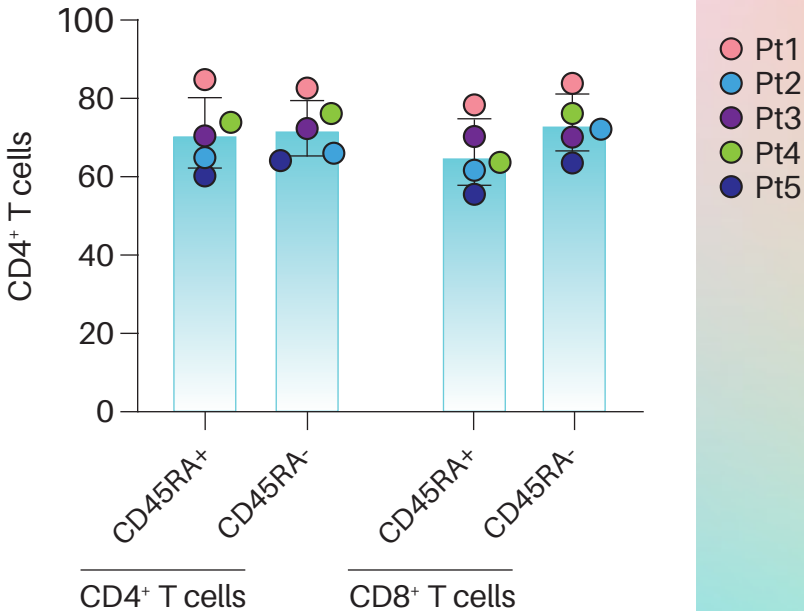
# Novel biologic induces low amount of cytokine release



Whole blood assay shows comparable cytokine release of therapeutic antibody to “Golden Standard” Cetuximab



# Cell-bound natalizumab can be measured on cells stored in liquid nitrogen



Using an anti-IgG4 antibody receptor saturation by natalizumab (anti- $\alpha 4\alpha 1$ ) on circulating T cell subsets could be determined on cryopreserved PBMCs from MS patients by flow cytometry



# Biomarkers

Sanquin Pharma & Biotech Services combines specialized, top-level scientific expertise and access to biomaterials. This offers you the benefit of a professional partner who can bridge the gap between promising early discoveries and validated drug candidate leads.

Bridging Innovations



**Sanquin**

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