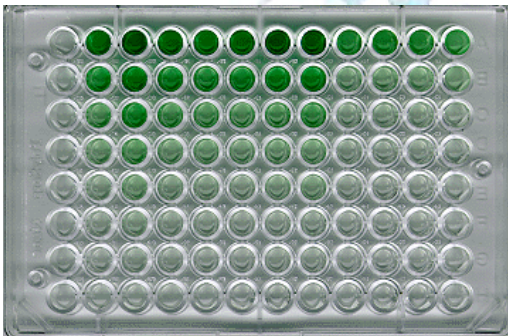


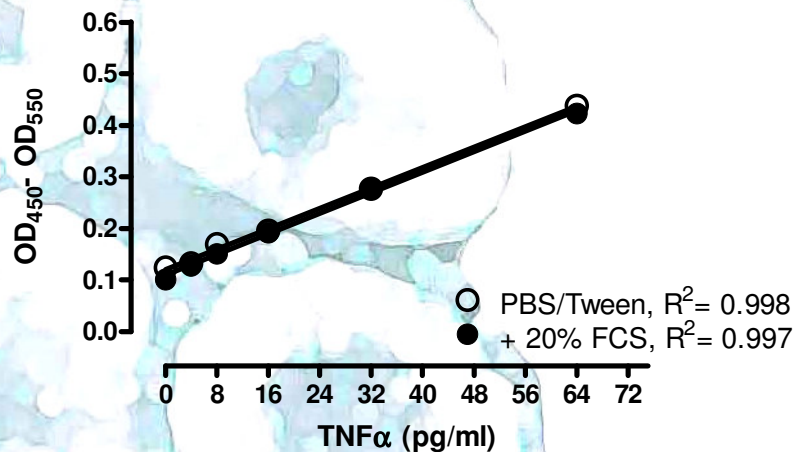
## Development and optimization of Enzyme-Linked ImmunoSorbent Assays

### ELISA development

Because we are currently living in the “proteomics era”, many proteins are catalogued to ascertain their functions and interactions. Protein analysis tools play an essential role in determining these properties in different (patho)physiological conditions. The Enzyme-Linked ImmunoSorbent Assay (ELISA for short) is one such biochemical tool, which is extremely suitable for quantifying the amount of proteins (or other antigenic molecules) in a biological sample by means of antibodies. The ELISA is particularly useful within clinical immunology.



ELISA in 96-wells plate



calibration curve

Setting up a properly functioning ELISA is labour intensive, and involves:

- estimating optimal antibody concentrations
- examining washing conditions
- investigating inhibiting factors
- performing reproducibility tests
- etc.

To ensure these handling costs remain economically attractive, the HAN BioCentre has the expertise and optimal infrastructure to develop any ELISA. The HAN BioCentre offers the following expertise:

- development of colorimetric sandwich or competitive ELISAs.
- sensitivity optimization and determination of the dynamic range of the ELISA to meet your requirements.