

Required from Customer

- Study design including information on the target protein.
- Samples for assay screen either as purified protein, cell membranes or tissues for homogenate preparation, dependent on study requirements.
- For custom sandwich ELISAs where the target is not directly immobilized onto the assay plate, matched antibody pairs are required. Amount dependent on number of wells required in assay.
- Frozen cells, tissues for homogenization or purified protein, amount dependent on number of wells required in assay.
- Instructions on storage of samples and processing.

Standard Study Processes

- *Sample preparation:* tissue sample homogenization or cell lysate preparation as required.
- *ELISA kit optimization:* validation of ELISA kits using positive controls and optimization of conditions including sample amount/well.
- *Sandwich ELISA development:* matched antibody pair optimization using positive controls and verification of conditions including sample amount/well.
- *Target protein screen:* at least 6 concentrations of protein standard are run per plate together with test sample at a suitable concentration as determined during assay validation.

Deliverables

- Graphical plot of concentration of target proteins detected.
- Excel spreadsheet of raw and analyzed ELISA values.
- Description of methods employed.

Turnaround Times

Turnaround times are typically between one to three weeks, once samples and materials have been received.

Pricing structure

Based on the sample processing requirements, number of targets and sample types, with a discounted cost per sample for larger studies. Our minimum order size is one kit (96 well plate).