Hybridoma antibody production

- Immunization of mouse with immunogen peptide/protein
- Antibody secreting cells harvested from Spleen (B cells, Plasma cells)
- Fusion using e.g. PEG detergent
- Immortalized tumor cells
- Tissue culture
- Hybridoma secreting antibody

Hybridomas screened for antibody production

Most efficient hybridoma clones producing most effective antibodies are chosen. These are grown in culture and antibody harvested.

The chosen hybridoma can be treated as a normal cell line. They can be stored in liquid nitrogen and cultured for production of antibody when required.

Antibody producing hybridoma cloned (one cell clone with secrete one type of antibody)