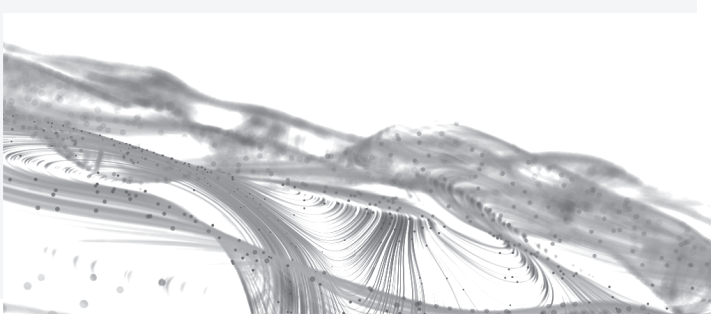




Ab Studio Inc.

your partner for therapeutic antibody development



3D Computer-aided antibody structure analysis service based on advanced AI protein modeling software (AlphaFold) and antibody design expertise.

01. The aggregation scan analysis on antibody 3D model (VH+VL)

Aggregation potential is estimated from an analysis of antibody 3D surface patches from a combination of hydrophobic, electrostatic, and side chain accessibility areas.

02. 3D PTM analysis

The 3D PTM analysis includes the evaluation of disulfide bonds, deamidation, glycosylation, protease, and oxidation sites in addition to side chain accessibility.

03. 3D B cell epitope, T cell epitope, MHC II epitope

Analysis of potential T cell , B cell , MHC II and antigenicity epitopes in the framework of the antibody by using licensed software and in-house tools.

04. Calculated pI of the antibody FV (VH+VL)

The pI of the antibody is calculated, which is considered to be an indicator for developability.