

Assay development for in depth characterization



VALIDATION

Production

HEK CELLS
TRANSIENT
SERUM FREE
PURITY CHECKED



Binding profile

ELISA
WESTERN BLOT
FLOW CYTOMETRY
IMMUNOFLUORESCENCE



The quality of an immunodiagnostic test is strictly dependant on the properties of the particular antibody in use, such as sensitivity, stability and specificity. The growing complexity of new generation diagnostics demands a more sophisticated antibody molecule design and *ad hoc* validation. At Abcalis we select and produce recombinant antibodies in multiple IgG formats and characterize their performance in a vast plethora of different assays. This ensures optimum performance in the intended final test already in the antibody format of choice. This work becomes inestimable when combined with the endless reproducibility guaranteed by recombinant products. Reduce laborious work and choose a perennial high quality antibody.

Stability

AGGREGATION
MW DISTRIBUTION
STRESS TESTS
LONG TERM STORAGE



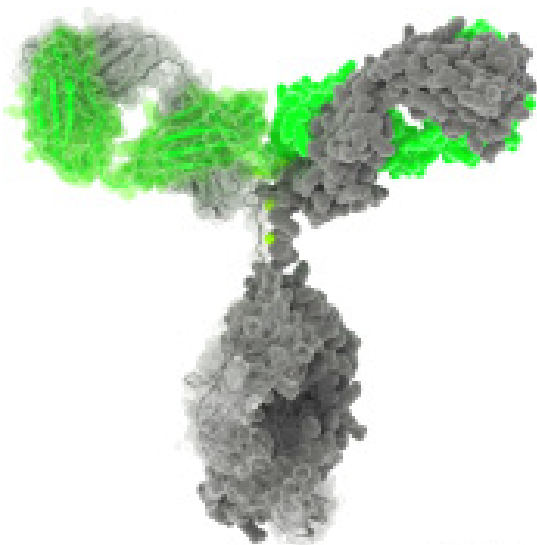
Epitope mapping

MUTAGENESIS
PEPTIDE ARRAY SCANNING



Binding kinetics

BIOLAYER INTERFEROMETRY



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