

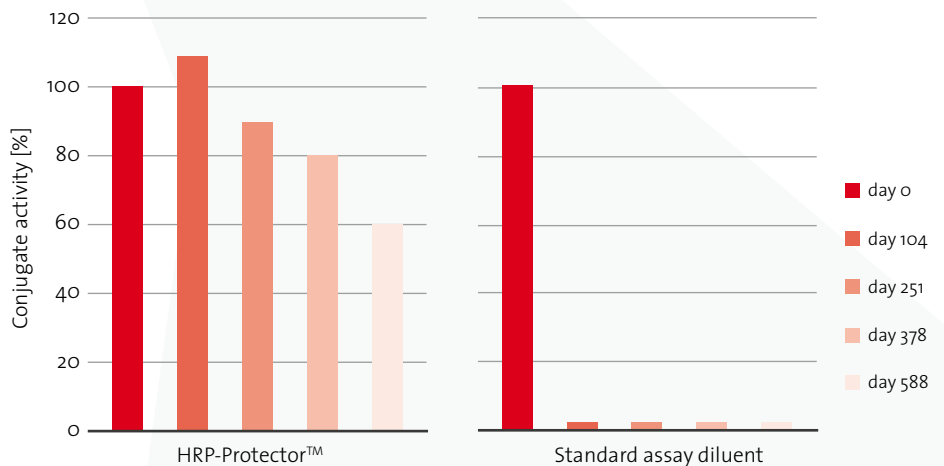
STRESS TEST

Stability „stress“ tests were performed with an HRP-labeled antibody in a concentration of 400 ng/mL.

As a control the antibody was diluted and stored in the same concentration in a standard assay diluent. Stress tests were performed at 45°C over a period of up to 588 days.

The antibody had to bind specifically to the analyte and the HRP-enzyme had to convert the substrate to show activity of the complete conjugate in an ELISA. The remaining activity after storage was determined in percentage to fresh conjugate.

After 378 days incubation at 45°C with HRP-Protector™ the antibody conjugate retained around 80% conjugate activity. This would correspond to a shelf life at 4°C with 80% binding activity of more than 15 years by conservative correlation according to Arrhenius.



Shelf life of an HRP-labeled antibody is measured as signal (= antibody binding + enzymatic activity) in an ELISA after storage under heat stress at 45°C. The concentration of the stored antibody is 400 ng / mL.