Advanced Targeting Systems

Anti-Conjugated D-Aspartic Acid
RAT POLYCLONAL
AB-T047

ELISA protocol used to test conjugated D-Aspartic acid:

1. Coating of conjugated D.Aspartic acid (10μg/ml) in maxisorp well plates (Nunc) with a solution of sodium carbonate buffer 0.05M (pH 9.6), during sixteen hours at 4°C.
2. Saturation of well plates with a solution of PBS-Tween (pH 7.3) containing 10% glycerol and 1g/l of BSA (Acros) (one hour at 37°C).
3. Wash with PBS-Tween (three times).
4. Preabsorbed conjugated D-Aspartic acid serum will be diluted (1/5,000-1/10,000) in PBS-Tween containing 1g/l BSA, 1g/l BSA-reduced glutaraldehyde and 10% glycerol, 200μl by well plate (incubating during 2 hours at 37°C).
5. Wash with PBS-Tween (three times).
6. 200μl of peroxidase-labeled goat anti-rat (Jackson) diluted (1/10,000) in a solution of PBS-Tween containing 1g/l BSA, will be applied by well plate (during one hour at 37°C) .
7. Well plates will be rinsed with PBS-Tween (three times).
8. And finally the peroxidase will be developed by incubating 200μl by well plate of a citrate 0.1M/phosphate 0.2M (pH 5) solution containing 0.4% of OPD (Sigma) and 0.03% of hydrogen peroxide (Acros) for ten minutes in the dark, after that, we will stop the reaction by the addition of 50μl of 2M HCl.
9. The optical density will be measured at 492nm.