Test principles

Rat BDNF

This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with

an antibody specific to Rat BDNF. Standards or samples are added to the micro ELISA plate wells and combined with the

specific antibody. Then a biotinylated detection antibody specific for Rat BDNF and Avidin-Horseradish Peroxidase

(HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The

substrate solution is added to each well. Only those wells that contain Rat BDNF, biotinylated detection antibody and

Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop

solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450

nm ± 2 nm. The OD value is proportional to the concentration of Rat BDNF. You can calculate the concentration of Rat

BDNF in the samples by comparing the OD of the samples to the standard curve.

Rat Serotonin (ST)

This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with

an antibody specific to Rat ST. Standards or samples are added to the micro ELISA plate wells and combined with the

specific antibody. Then a biotinylated detection antibody specific for Rat ST and Avidin-Horseradish Peroxidase

(HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The

substrate solution is added to each well. Only those wells that contain Rat ST, biotinylated detection antibody and

Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop

solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450

nm ± 2 nm. The OD value is proportional to the concentration of Rat ST. You can calculate the concentration of Rat

ST in the samples by comparing the OD of the samples to the standard curve.