

Leukotriene D4 (LTD4) Rapid ELISA kit

This Rapid ELISA kit applies Sandwich enzyme immunoassay technique for the quantitative detection. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Leukotriene D4 (LTD4) . Standards or samples are added to the appropriate micro ELISA plate wells then with a biotin-conjugated antibody specific to Leukotriene D4 (LTD4) . Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Leukotriene D4 (LTD4) , biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of $450\text{nm} \pm 10\text{nm}$. The concentration of Leukotriene D4 (LTD4) in the samples is then determined by comparing the OD of the samples to the standard curve.

Catalog No.	3510032
Size	96-Well Tests
Product Category	Rapid ELISA
Reactivity	Various
Sample	Serum; Plasma; Other Biological Fluids
Assay Method	Sandwich ELISA
Assay Duration	1.5H
Sensitivity	0.082 ng/mL
Standard Curve Range	0.31-20 ng/mL
Storage/Stability	-20°C/1 year; 4°C/6 months