

5-HETE (5-Hydroxyeicosatetraenoic Acid) ELISA kit

This kit applies competitive inhibition ELISA method for the quantitative detection of 5-HETE (5-Hydroxyeicosatetraenoic Acid) in various species samples. The microtiter plate provided in this kit has been pre-coated with 5-HETE protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to 5-HETE. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm \pm 10nm. The concentration of 5-HETE in the samples is then determined by comparing the OD of the samples to the standard curve.

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| Catalog No. | 3008155 |
| Size | 96-Wells |
| Product Category | ELISA (Quantitative) |
| Reactivity | Various |
| Sample | Serum; Plasma; Other Biological Fluids |
| Assay Method | Competitive Inhibition ELISA |
| Assay Duration | 2 hours |
| Sensitivity | 3.95 ng/mL |
| Standard Curve Range | 12.5-800 ng/mL |
| Storage/Stability | -20°C/1 year; 4°C/6 months |