

## **Product Datasheet**

## Human Cysteinyl Leukotrienes E4 (LTE4) ELISA Kit (orb1146778)

Catalog Number orb1146778

Category Assays and Kits

**Description** This assay employs the competitive inhibition enzyme immunoassay technique.

The microtiter plate provided in this kit has been pre-coated with Cysteinyl Leukotrienes E4(LTE4) protein. Standards or samples are added to the

appropriate microtiter plate wells then with a biotin-conjugated antibody specific

to Cysteinyl Leukotrienes E4(LTE4). 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 Cysteinyl Leukotrienes E4(LTE4) in the samples is then determined by comparing

the OD of the samples to the standard curve.

**Reactivity** Human

**Concentration** 1000 pg/mL

**Application notes** standard: 1000 pg/mL. Test principle: This assay employs the competitive

inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Human LTE4 protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human LTE4. 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  $450 \text{nm} \pm 10 \text{nm}$ . The concentration of Human LTE4 in the samples is then determined by comparing the OD of the

samples to the standard curve

**Assay Type** Competitive

Assay Time 2.5h





**Range** 15.63-1000 pg/mL

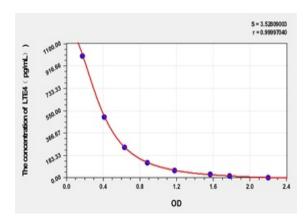
**Sensitivity** 5.26 pg/mL

**Sample Types** serum, plasma, tissue homogenates, cell lysates, cell culture supernates and

other biological fluids

**Note** For research use only

**Expiration Date** Please enquire.



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