

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### Human IgE(Immunoglobulin E) ELISA Kit EBT-ELK2352

Article Name	Human IgE(Immunoglobulin E) ELISA Kit
Biozol Catalog Number	EBT-ELK2352
Supplier Catalog Number	ELK2352
Alternative Catalog Number	EBT-ELK2352-96, EBT-ELK2352-48, EBT-ELK2352-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Human
Concentration	100 µg/mL
Range	1.57-100 µg/mL
Sensitivity	0.62 µg/mL
UniProt	<a href="#">P01854</a>
Samples	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Infection immunity, Immune molecule, Hematology, Autoimmunity,. Test principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human IgE. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human IgE. 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 Human IgE, 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 450nm  $\pm$  10nm. The concentration of Human IgE in the samples is then determined by comparing the OD of the samples to the standard curve