

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

## Product Datasheet

### Human S100A14(S100 Calcium Binding Protein A14) ELISA Kit EBT-ELK3425

|                            |  |
|----------------------------|--|
| Article Name               | Human S100A14(S100 Calcium Binding Protein A14) ELISA Kit    |
| Biozol Catalog Number      | EBT-ELK3425  |
| Supplier Catalog Number    | ELK3425  |
| Alternative Catalog Number | EBT-ELK3425-96, EBT-ELK3425-48, EBT-ELK3425-96X5             |
| Manufacturer               | ELK Biotechnology  |
| Category                   | Kits/Assays  |
| Species Reactivity         | Human  |
| Concentration              | 20 ng/mL   |
| Range                      | 0.32-20 ng/mL  |
| Sensitivity                | 0.113 ng/mL  |
| UniProt                    | <a href="#">Q9HCY8</a>                                       |
| Samples                    | Tissue homogenates, cell lysates and other biological fluids |

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Metabolic pathway,. 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 S100A14. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human S100A14. 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 S100A14, 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 10nm. The concentration of Human S100A14 in the samples is then determined by comparing the OD of the samples to the standard curve