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## Product Datasheet

### **Human MCT(Mast Cell Tryptase) Microsample ELISA Kit EBT-ELK9882MS**

Article Name	Human MCT(Mast Cell Tryptase) Microsample ELISA Kit
Biozol Catalog Number	EBT-ELK9882MS
Supplier Catalog Number	ELK9882MS
Alternative Catalog Number	EBT-ELK9882MS-96, EBT-ELK9882MS-48, EBT-ELK9882MS-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Human
Concentration	100 ng/mL
Range	1.57-100 ng/mL
Sensitivity	0.55 ng/mL
Samples	serum, plasma, tissue homogenates

Application Notes

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