

## Product Datasheet

### Car(Carnosine) ELISA Kit (orb1806545)

**Description** Car(Carnosine) ELISA Kit

**Reactivity** All

**Range** 14.07-900 ng/mL

**Target** Car

**Note** For research use only

**Application notes** This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Carnosine(Car) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Carnosine(Car). 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 Carnosine(Car) in the samples is then determined by comparing the OD of the samples to the standard curve.

**Sample Types** Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

**Sensitivity** 3.53 ng/mL

**Expiration Date** Please enquire.

