

Product Datasheet

Mouse carboxyhemoglobin (HbCO) ELISA Kit (orb1088162)

Catalog Number orb1088162

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

Reactivity Mouse

Range 1.57-100 ng/mL

Concentration 100 ng/mL

Note For research use only

Application notes standard: 100 ng/mL. Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Mouse HbCO protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse HbCO. 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 Mouse HbCO in the samples is then determined by comparing the OD of the samples to the standard curve

Sample Types Serum, plasma, tissue homogenates and other biological fluids

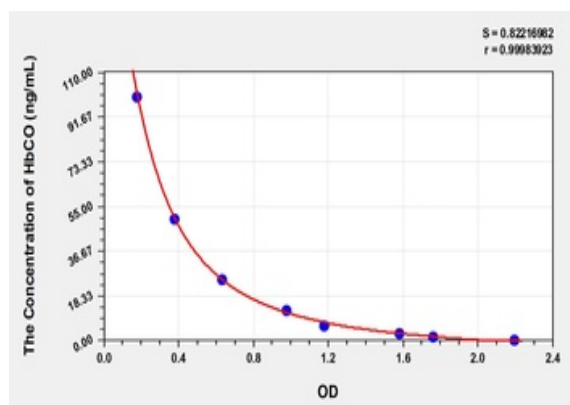
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Assay Time	2.5h
Sensitivity	0.5 ng/mL
Expiration Date	Please enquire.



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