

## Product Datasheet

# Human Prostaglandin F2 Alpha (PGF2a) ELISA Kit (orb1088176)

**Catalog Number** orb1088176

**Description** This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Prostaglandin F2 Alpha(PGF2a) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Prostaglandin F2 Alpha(PGF2a). 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 Prostaglandin F2 Alpha(PGF2a) in the samples is then determined by comparing the OD of the samples to the standard curve.

**Reactivity** Human

**Range** 12.5-800 pg/mL

**Concentration** 800 pg/mL

**Note** For research use only

**Application notes** standard: 800 pg/mL. Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Human PGF2a protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human PGF2a. 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 Human PGF2a in the samples is then determined by comparing the OD of the samples to the standard curve

**Sample Types** serum, plasma and other biological fluids

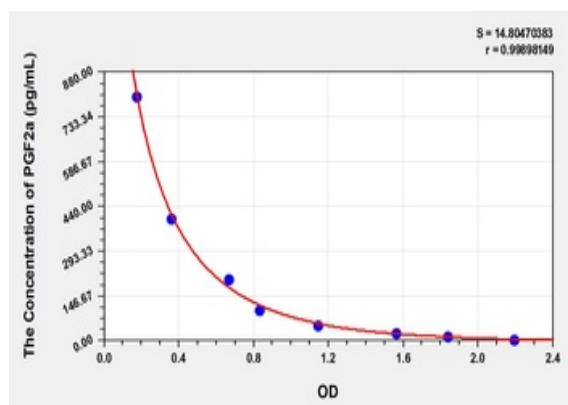
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<b>Assay Time</b>	2.5h
<b>Sensitivity</b>	4.01 pg/mL
<b>Expiration Date</b>	Please enquire.

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