

Description

11 β -Prostaglandin F_{2 α} (11 β -PGF_{2 α}) is derived from PGD₂ by the action of 11-ketoreductase. It is a potent bronchoconstrictor agent. It also causes hypertension in animals. Plasma levels of 11 β -PGF_{2 α} are highly elevated in patients with systemic mastocytosis with an overproduction of PGD₂.

Kit Contents

- 11 β -PGF_{2 α} Antibody-Coated Microplate (96 well)
- 11 β -PGF_{2 α} Standard
- 11 β -PGF_{2 α} Enzyme Conjugate (HRP)
- K-Blue Substrate (TMB)
- EIA Buffer
- Wash Buffer (10x)
- Extraction Buffer (5x)
- Instruction Booklet

Cross-reactivity

11 β -Prostaglandin F _{2α}	100.0%
Prostaglandin F _{2α}	0.24%
Prostaglandin E ₂	0.21%
Thromboxane B ₂	0.21%
Prostaglandin D ₂	0.01%
Leukotriene B ₄	<0.01%
Prostaglandin A ₁	<0.01%
Prostaglandin A ₂	<0.01%
Prostaglandin B ₁	<0.01%
Prostaglandin B ₂	<0.01%
Prostaglandin F _{1α}	<0.01%
6-keto-Prostaglandin E ₁	<0.01%
6-keto-Prostaglandin F _{1α}	<0.01%
13,14-dihydro-15-keto-Prostaglandin F _{2α}	<0.01%
15-keto-Prostaglandin F _{2α}	<0.01%
11-dehydro-Thromboxane B ₂	<0.01%

Specifications

Sensitivity:	
80% B/B ₀	0.015 ng/mL
50% B/B ₀	0.05 ng/mL
Assay Range.....	0.01–1.0 ng/mL
Inter-Assay CV.....	≤ 10%
Intra-Assay CV.....	≤ 10%
Size.....	96 well microplate
Assay Sample Size.....	50 μ L
Total Assay Incubation Time.....	1.5 hours
Wavelength.....	650 nm, 450 nm with acid stop
Storage Conditions.....	4°C
Antibody.....	Polyclonal, Rabbit

Research use only**Neogen Corporation**

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