abcam

Product datasheet

Human Anti-Parainfluenza virus 1,2,3 IgG ELISA Kit ab108758

1 Image

Overview

Product name Human Anti-Parainfluenza virus 1,2,3 IgG ELISA Kit

Detection method Colorimetric

Precision

Intra-assay

Sample	n	Mean	SD	CV%
Pos.Serum	8			6.8%
Pos.Serum	8			1.6%

Inter-assay

Sample	n	Mean	SD	CV%
Pos.Serum	3			9.8%

Sample type Serum, Hep Plasma, Cit plasma

Assay type Indirect

Assay duration Multiple steps standard assay

Species reactivity **Reacts with:** Human

Product overview Abcam's anti-Parainfluenza virus 1, 2, 3 IgG Human *in vitro* ELISA (Enzyme-Linked Immunosorbent Assay) kit is designed for the accurate qualitative measurement of IgG class antibodies against Parainfluenza virus 1, 2, 3 in Human serum and plasma.

A 96-well plate has been precoated with Parainfluenza virus 1, 2, 3 antigens to bind cognate antibodies. Controls or test samples are added to the wells and incubated. Following washing, a horseradish peroxidase (HRP) labelled anti-Human IgG conjugate is added to the wells, which binds to the immobilized Parainfluenza virus 1, 2, 3-specific antibodies. TMB is then catalyzed by the HRP to produce a blue color product that changes to yellow after adding an acidic stop solution. The density of yellow coloration is directly proportional to the amount of Parainfluenza virus 1, 2, 3 IgG sample captured in plate.

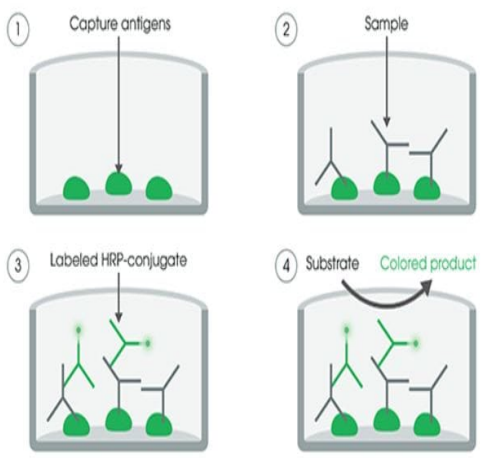
Platform Microplate

Properties

Storage instructions Store at +4°C. Please refer to protocols.

Components	Identifier	1 x 96 tests
20X Washing Solution	White cap	1 x 50ml
IgG Sample Diluent	white cap	1 x 100ml
Parainfluenza virus 1, 2, 3 (IgG) Coated Microplate (12 x 8 wells)		1 unit
Parainfluenza virus 1, 2, 3 anti-IgG HRP Conjugate	black cap	1 x 20ml
Parainfluenza virus 1, 2, 3 IgG Cut-off Control	green cap	1 x 3ml
Parainfluenza virus 1, 2, 3 IgG Positive Control	red cap	1 x 2ml
Parainfluenza Virus IgG Negative Control	blue cap	1 x 2ml
Stop Solution	red cap	1 x 15ml
TMB Substrate Solution	Yellow cap	1 x 15ml

Images



Serologic ELISA assay principle

Specific antigens are coated on the 96-well plate, controls or test samples are added to the well and incubated. The wells are washed to remove any unbound Human anti-antigen antibodies (Ig). A horseradish peroxidase (HRP) labelled anti-Human Ig conjugate is added to the wells. TMB is then catalyzed by the HRP to produce a blue color product that changes to yellow after adding an acidic stop solution. The intensity of yellow coloration is directly proportional to the amount of Human anti-antigen Ig captured on the plate.

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