# abcam

## Product datasheet

# Human Anti-Epstein Barr virus IgG ELISA Kit (EBV-VCA) ab108730

★★★★★ 1 Abreviews 4 References 1 Image

Overview

**Product name** Human Anti-Epstein Barr virus IgG ELISA Kit (EBV-VCA)

**Detection method** Colorimetric

**Precision** Intra-assay

Sample	n	Mean	SD	CV%
Pos. Serum	10			2.9%

Inter-assay

Sample	n	Mean	SD	CV%	
Pos. Serum	15			4.3%	

Sample type Serum, Hep Plasma, Cit plasma

Assay type Indirect

**Assay duration** Multiple steps standard assay

in plate.

Species reactivity Reacts with: Human

**Product overview** Abcam's anti-Epstein Barr virus (EBV-VCA) lgG Human in vitro ELISA (Enzyme-Linked Immunosorbent Assay) kit is designed for the accurate qualitative measurement of IgG class

antibodies against Epstein Barr virus Viral capsid antigen (VCA) in Human serum and plasma.

A 96-well plate has been precoated with Epstein Barr virus 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 Epstein Barr virus-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 Epstein Barr virus IgG sample captured

**Platform** Microplate

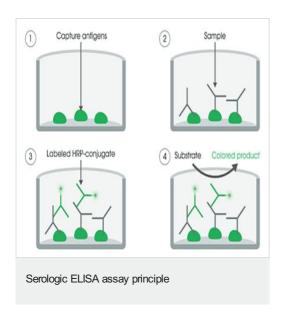
**Properties** 

#### Storage instructions

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

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

### **Images**



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 (lg). A horseradish peroxidase (HRP) labelled anti-Human lg 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 lg captured on the plate.

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