abcam

Product datasheet

HRP Anti-Cytomegalovirus AD169 antibody ab69245

1 References

Overview

Product name	HRP Anti-Cytomegalovirus AD169 antibody
Description	HRP Goat polyclonal to Cytomegalovirus AD169
Host species	Goat
Conjugation	HRP
Specificity	This antibody reacts with Cytomegalovirus AD 169 in viral and infected tissue samples.
Tested applications	**Suitable for:** WB, ELISA, IHC-Fr
Species reactivity	**Reacts with:** Human cytomegalovirus
Immunogen	Tissue, cells or virus corresponding to Cytomegalovirus AD169. Purified virions of Cytomegalovirus strain AD 169 (gB antigen).
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.002% Thimerosal (merthiolate) Constituents: 1% BSA, PBS
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab69245 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/20.
ELISA		1/200.
IHC-Fr		1/20.

Target

Relevance

Cytomegalovirus (CMV) is a member of the Herpes virus family. Members of this family have a characteristic virion structure. The double stranded DNA genome is contained within an icosahedral capsid which is embedded in a proteinaceous layer (tegument) and surrounded by a lipid envelope that is decorated with virus-specific glycoprotein spikes. The viral genes are co-ordinately expressed in groups at various times after infection. Early viral proteins are expressed in the nucleus of infected cells within 3 to 24 hours of infection prior to the commencement of viral DNA replication. This is followed by expression of the early intermediate genes, which encode enzymes required for viral DNA replication. After 48 to 72 hours, a number of late viral antigens may be demonstrated in the nuclei and cytoplasm of infected cells. Cytomegalovirus strain AD169 is a laboratory-adapted strain and appears to lack a 15kb region of the 200kb genome that is present in clinical isolates. This region contains 19 open reading frames whose functions have yet to be elucidated. AD169 is also unique in that it is unable to enter latency and nearly always assumes lytic growth upon infection.

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