



## Magic<sup>™</sup> Human Anti-Henipavirus RBP Monoclonal antibody, clone HENV214 (DMAB-CS25068)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Target       Henipavirus RBP         Immunogen       Sequenced from human samples with prior exposure to equine Hendra virus (HeV) vaccine, targeting distinct antigenic sites.         Isotype       IgG1         Source/Host       Human         Species Reactivity       Henipavirus         Clone       HENV214         Purification       Protein A/G         Conjugate       Unconjugated         Applications       LFIA(Det), FC, ELISA, Neut We recommend the following antibodies for LFIA (Capture - Detection): DMAB-CS25069 - DMAB-CS25068         Format       Liquid         Size       250 μg, 1 mg         Buffer       0.01 M (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added.	Specificity	Specific for an area spanning the $\beta1$ and $\beta6$ propeller blades of receptor binding protein (RBP).
targeting distinct antigenic sites.  Isotype IgG1  Source/Host Human  Species Reactivity Henipavirus  Clone HENV214  Purification Protein A/G  Conjugate Unconjugated  Applications LFIA(Det), FC, ELISA, Neut We recommend the following antibodies for LFIA (Capture - Detection): DMAB-CS25069 - DMAB-CS25068  Format Liquid  Size 250 μg, 1 mg  Buffer 0.01 M (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or	Target	Henipavirus RBP
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	Buffer	

45-1 Ramsey Road, Shirley, NY 11967, USA

Email: info@creative-diagnostics.com

Tel: 1-631-624-4882 Fax: 1-631-938-8221

Preservative	None
Storage	Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one year. For longer term storage, aseptically aliquot in working volumes without diluting and store
	at ≥ -70°C. Avoid Repeated Freeze Thaw Cycles.

## **BACKGROUND**

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Introduction	Henipavirus spp. are enveloped, single-stranded RNA viruses in the family Paramyxovirus1.
	Five species have been identified, two of which, Hendra virus (HeV) and Nipah virus (NiV), are
	highly virulent emerging pathogens with high case-fatality ratios. The other three species,
	Cedar virus, Ghanaian bat virus, and Mojiang virus are not known to cause human disease.
	Pteropid bats are the reservoir host. HeV is transmitted by direct contact with infected horses,
	their fluids, or tissues. Horses are infected by exposure to pteropid bats. NiV is transmitted by
	contact with infected pigs or bats and person-to-person. Both HeV and NiV cause severe
	influenza-like illness that can progress to encephalitis.
Keywords	henipavirus; HeV; HeV receptor binding protein; HeV RBP; Henipavirus RBP