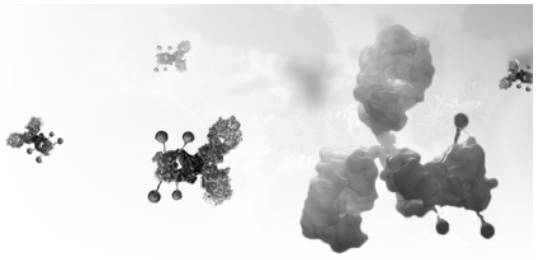

Magic™ Mouse Anti-EIAV P26 Monoclonal antibody, clone 18Z50 (DMAB-CS24377)

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

PRODUCT INFORMATION

Specificity	Equine Infectious Anemia Virus P26
Target	EIAV P26
Immunogen	Recombinant equine infectious anemia virus P26.
Isotype	IgG
Source/Host	Mouse
Species Reactivity	EIAV
Clone	18Z50
Conjugate	unconjugated
Applications	ELISA (Cap), LFIA
Format	Lyophilized
Size	10 µg, 100 µg, 1 mg
Buffer	1X Phosphate buffered saline, pH 7.4
Preservative	None
Storage	Store at -20°C to -80°C on receipt (up to 12 months). Avoid repeated freezing and thawing as this may denature the antibody.

BACKGROUND

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Introduction	Equine Infectious Anemia (EIA) is a viral disease of equids caused by a macrophage – tropic lentivirus belonging to the Retroviridae family, and characterized by chronic infection. The EIA virus (EIAV) genome consists of two complementary RNA positive strands with 8.2 kb, comprising three genes (gag, pol and env coding structural and nonstructural proteins) and three open reading frames that encode regulatory proteins (tat, rev and S2). The 55 kDa Gag-precursor (Pr55gag) polyprotein codified by the gag region is essential in the virus replication cycle because it is related to virus budding from the host cells. This Pr55gag precursor is cleaved by the viral protease into four main mature virion internal structural proteins: p15 (transmembrane), p26 (capsid), p11 and p9 (nucleocapsid). The p26 protein represents about 40% of the total number of EIAV proteins and is well conserved among different viral strains. It is also the most immunogenic protein and thus the target antigen used in serological tests using EIA.
Keywords	Equine infectious anemia virus; EIAV; EIAV P26

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