



Magic™ Mouse Anti-PRV Monoclonal antibody, clone ZK151B (DMAB-CS24293)

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

PRODUCT INFORMATION

Specificity	PRV
Target	PRV
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	PRV
Clone	ZK151B
Conjugate	unconjugated
Applications	ELISA (Det)
Format	Liquid
Size	1 mg
Buffer	0.01M PBS PH7.4
Preservative	None
Storage	Store at -20°C.

BACKGROUND

Introduction	The alphaherpesvirus pseudorabies virus (PrV) is the causative agent of Aujeszky's disease, an infection of major economic impact in animal husbandry. PrV's natural hosts are porcines but it
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is able to infect nearly all mammals, excluding humans and other higher primates. In addition to being an important pathogen in livestock, PrV is being used increasingly as a model for elucidating the basic mechanisms of herpesvirus infection in cell culture and in the animal. For infectious entry the porcine Pseudorabies virus utilizes four different essential envelope glycoproteins (g): the bona fide fusion protein gB and the regulatory heterodimeric gH/gL complex that constitute the "core fusion machinery" conserved in all members of the Herpesviridae; and the subfamily specific receptor binding protein gD. These four components mediate attachment and fusion of the virion envelope with the host cell plasma membrane through a tightly regulated sequential activation process.

Keywords

Pseudorabies Virus; PRV
