



Magic™ Anti-Canine Heartworm Polyclonal antibody (DPAB2049)

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

PRODUCT INFORMATION

Product Overview	Chicken polyoclonal to canine Heartworm. Chickens were immunized with extracts from extracts from both male and female heartworms. Antibodies were then purified off an antigen containing immunoabsorbant and conjugated with horseradish peroxidase (HRP).
Antigen Description	Heartworm (<i>Dirofilaria immitis</i>) is transmitted by mosquitoes. Adult nematodes reach 10 to 12 inches in length and live in the peripheral branches of the pulmonary arteries, producing large numbers of microscopic offspring (microfilaria) which circulate throughout the bloodstream. Heartworm disease is caused by the body's immunologic reaction to the presence of the adults and offspring, damaging the vasculature system of the lungs.
Target	Canine Heartworm
Immunogen	Canine Heartworm
Isotype	IgY
Source/Host	Chicken
Species Reactivity	Canine Heartworm
Conjugate	Unconjugated
Applications	ELISA, WB
Format	Liquid
Size	5 mg
Preservative	None
Storage	2-8°C.

BACKGROUND

Introduction Heartworm (*Dirofilaria immitis*) is a parasitic roundworm that is spread from host to host through the bites of mosquitoes. The heartworm is a type of filaria, a small thread-like worm. The definitive host is the dog but it can also infect cats, wolves, coyotes, foxes and other animals, such as ferrets, sea lions and even, under very rare circumstances, humans. The parasite is commonly called "heartworm"; however, that is a misnomer because the adult actually resides in the pulmonary arterial system (lung arteries) for the most part, and the primary effect on the health of the animal is a manifestation of damage to the lung vessels and tissue. Occasionally, adult heartworms migrate to the right heart and even the great veins in heavy infections. Heartworm infection may result in serious disease for the host.

Keywords Heartworm
