

Product datasheet for **AM01141PU-N**

Canine Heartworm Mouse Monoclonal Antibody [Clone ID: HW1-39]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HW1-39
Applications:	ELISA, WB
Recommended Dilution:	ELISA: May be used in an indirect ELISA or as a capture antibody in a sandwich ELISA with AM01142BT-N. Western Blot: detects band/s of approximately 170, 155, 98, 80, 70 and 62kDa under reducing conditions.
Reactivity:	Canine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognizes both male and female ether extracted parasite antigen of Canine Heartworm.
Formulation:	PBS, pH 7.2 State: Purified State: Liquid purified Ig fraction Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

Canine heartworm infection, caused by the filarial nematode *Dirofilaria immitis*, is an insidious and potentially fatal condition transmitted by mosquitoes, which primarily affects the heart and lungs of dogs, but may also affect other species including cats, foxes, sea-lions, ferrets and humans. Canine heartworm disease, resulting ultimately in damage to the pulmonary vasculature system, is largely attributed to the immunological response of the host to the presence of the adult parasites, and in many cases their microscopic offspring (microfilaria) which circulate in the bloodstream, but growing evidence suggests the involvement of further factors/mediators.

Synonyms:

Dirofilaria immitis