

ARG83069
Ehrlichia / Rickettsiales ELISA kitPackage: 96 wells
Store at: 4°C

Summary

Product Description	ARG83069 Ehrlichia / Rickettsiales ELISA kit is an enzyme immunoassay kit for the qualitative Ehrlichia in animals serum.
Tested Reactivity	Dog
Tested Application	ELISA
Target Name	Ehrlichia / Rickettsiales
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Detection Range	Cut - off
Sample Type	serum
Standard Range	Cut - off
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 4% Inter-Assay CV: less than 6%
Alternate Names	Ehrlichia

Application Instructions

Assay Time	~2 hour
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Background	Ehrlichia species are transmitted to the mammalian host during tick feeding, being inoculated along with the tick saliva. Once introduced into the dermis, E. chaffeensis and E. canis have selective tropisms for monocytes and macrophages, while E. ewingii targets neutrophils and occasional eosinophils. On blood smears, the bacteria can be visualized as morulae, which are microcolonies of Ehrlichia inside host cell vesicles. Unlike the Rickettsiales, Ehrlichia do not replicate in the cytoplasm. Following uptake of the bacteria into vesicles, phagocytes disseminate hematogenously to the major target organs: liver, lung, spleen, and, for E. chaffeensis, the central nervous system. Ehrlichiae directly compromise the killing ability of these cells by preventing superoxide radical production and phagolysosomal fusion.
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