

ARG83080 Toxoplasma ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	ARG83080 Toxoplasma ELISA Kit is an Enzyme Immunoassay kit for the quantification of Toxoplasma in animal serum.
Tested Reactivity	Cat, Dog
Tested Application	ELISA
Target Name	Toxoplasma
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Detection Range	50 - 200 U/ml
Sample Type	Serum
Sample Volume	100 µl
Alternate Names	Toxoplasma

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	Toxoplasma gondii is an obligate intracellular parasitic protozoan (specifically an apicomplexan) that causes toxoplasmosis. Found worldwide, T. gondii is capable of infecting virtually all warm-blooded animals, but felids are the only known definitive hosts in which the parasite may undergo sexual reproduction.
Function	In rodents, T. gondii has been shown to alter behavior in ways that increase the rodents' chances of being preyed upon by felids. Support for this "manipulation hypothesis" stems from studies showing that T. gondii-infected rats have a decreased aversion to cat urine while infection in mice lowers general anxiety, increases explorative behaviors and increases a loss of aversion to predators in general. Because cats are the only hosts within which T. gondii can sexually reproduce, such behavioral manipulations are thought to be evolutionary adaptations that increase the parasite's reproductive success since rodents that do not avoid cat habitations will more likely become cat prey. The primary mechanisms of T. gondii-induced behavioral changes in rodents occur through epigenetic remodeling in neurons that govern the relevant behaviors.
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