



RHA™ anti-Imidacloprid monoclonal antibody, clone ICP (HMABPY091)

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

PRODUCT INFORMATION

Antigen Description	Imidacloprid is a systemic insecticide which acts as an insect neurotoxin and belongs to a class of chemicals called the neonicotinoids which act on the central nervous system of insects, with much lower toxicity to mammals. The chemical works by interfering with the transmission of stimuli in the insect nervous system. Specifically, it causes a blockage of the nicotinic neuronal pathway. By blocking nicotinic acetylcholine receptors, imidacloprid prevents acetylcholine from transmitting impulses between nerves, resulting in the insect's paralysis and eventual death. It is effective on contact and via stomach action. Because imidacloprid binds much more strongly to insect neuron receptors than to mammal neuron receptors, this insecticide is more toxic to insects than to mammals.
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Specificity	Cross-Reactivity: Clothianidin 40 ppb, Thiacloprid 50 ppb
Immunogen	Imidacloprid [KLH]
Isotype	IgG
Source/Host	Mouse
Species Reactivity	N/A
Clone	ICP
Purification	Purified from mouse ascites.
Conjugate	Unconjugated
Applications	ELISA, LFIA
Size	100 µg, 1 mg
Buffer	0.01M pH7.4 PBS

Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.