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 nicotinergic 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.

**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 with Absolute Mag™ Protein A Agarose (WHM-L086)

**Conjugate**
Unconjugated

**Applications**
ELISA, LFIA

**Size**
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.