



Mouse Anti-Nitenpyram monoclonal antibody, clone NIT (CABT-L2539)

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

PRODUCT INFORMATION

Specificity	Nitenpyram
Immunogen	Nitenpyram with carrier protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	N/A
Clone	NIT
Purification	Purified from mouse ascites.
Conjugate	Unconjugated
Applications	ELISA, LFIA
Format	Liquid
Concentration	Lot specific
Size	1 mg
Buffer	PBS
Preservative	None
Storage	-20°C. Avoid Freeze/Thaw Cycles

BACKGROUND

Introduction

Nitenpyram is an insecticide used in agriculture and veterinary medicine to kill off external pests, like fleas. The compound is a neurotoxin belongs to the class of neonicotinoids, which works by blocking neural signaling of the central nervous system in specifically insects. It does so by binding irreversibly to the Nicotinic acetylcholine receptor (nAChR), causing a stop of the flow of ions in the postsynaptic membrane of neurons, leading to paralysis and death. Being highly selective towards certain variation of the nAChR, namely the types insects possess, nitenpyram has been seen extensible use in targeted insecticide applications, such as pet treatment and agriculture.

Keywords

Nitenpyram;(E)-Nitenpyram;Niterndipoin