



Mouse Anti-Fipronil Monoclonal Antibody, clone FP (CABT-Z546M)

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

PRODUCT INFORMATION

Immunogen	Fipronil-KLH
Isotype	IgG
Source/Host	Mouse
Species Reactivity	N/A
Clone	FP
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA, LFIA
Format	Liquid
Concentration	Lot specific
Size	1 mg
Buffer	PBS
Preservative	None
Storage	Store at -20°C long term. Avoid freeze / thaw cycle.
Ship	Wet ice

BACKGROUND

Introduction

Fipronil is a broad-spectrum insecticide that belongs to the phenylpyrazole chemical family. Fipronil disrupts the insect central nervous system by blocking GABA-gated chloride channels and glutamate-gated chloride (GluCl) channels. This causes hyperexcitation of contaminated insects' nerves and muscles. Fipronil's specificity towards insects is believed to be due to its greater affinity to the GABAA receptors of insects, than to those of mammals, and to its action on GluCl channels which do not exist in mammals.

Keywords

fipronil;Fipronil [ISO];5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-(trifluoromethylsulfinyl)pyrazole-3-carbonitrile
