



Mouse Anti-Aconitine monoclonal antibody, clone ANT (CABT-L4610)

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

PRODUCT INFORMATION

Product Overview	The antibody recognizes the conjugated form of the small molecule. Antibody specificity was performed by using an ELISA test by competition experiments
Immunogen	Synthetic Aconitine conjugated to a carrier protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	N/A
Clone	ANT
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA, LFIA
Format	Liquid
Concentration	Lot specific
Size	1 mg
Buffer	PBS only
Preservative	None
Storage	Store -20°C for long term.

BACKGROUND

Introduction

Aconitine, also known as acetylbenzoylaconitane, is a C19 norditerpenoid alkaloid. Its molecular formula is C₃₄H₄₇NO₁₁. It has 3 hydrogen bond donors, 12 hydrogen bond acceptors, 7.7 flexible bonds.

Aconitine belongs to the family of aconitum alkaloids and is barely soluble in water, but very soluble in organic solvents such as chloroform or diethyl ether. Aconitine is also soluble in mixtures of alcohol and water if the concentration of alcohol is high enough.

Aconitine is synthesized by the aconitum plant via terpenoid biosynthesis from methylerythritol phosphate pathway that polymerizes subsequent to phosphorylation.

Keywords

Acetylbenzoylaconitane;Aconitine;C₃₄H₄₇NO₁₁
