



Anti-INSV polyclonal antibody [AP] (CABT-BL6241)

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

PRODUCT INFORMATION

Immunogen	Antiserum is developed in rabbit using purified virus as immunogen.
Source/Host	Rabbit
Purification	caprylic acid purified
Conjugate	AP
Applications	ELISA, LFIA
Format	Liquid
Size	0.2 ml/1 ml
Buffer	In 0.05 M TRIS buffer, pH 8.0.
Storage	The antibody should be stored at 2-8°C. For storage longer than one year, the solution may be frozen at -20°C. Repeated freezing and thawing is not recommended. The solution may be frozen in aliquots if necessary. The antibody has a shelf-life of 2 years after date of purchase.

BACKGROUND

Introduction

Impatiens necrotic spot virus (INSV) is a plant pathogenic virus of the family Bunyviridae. It was originally believed to be another strain of Tomato spotted wilt virus but genetic investigations revealed them to be separate viruses. It is a single stranded RNA It has a tripartate genome and is largely spread by the insect vector of the western flower thrips. The virus infects more than 648 species of plant including important horticultural and agricultural species such as fuchsia, tomato, orchids, and lettuce (especially romaine). As the name implies, the main symptom on plants is necrotic spots that appear on the leaves. The INSV virus infects by injecting the RNA the virus contains into the cell which then starts using the cell resources to transcribe what the virus RNA states. Viral infection can often result in the death of the plant. The disease is mainly controlled by the elimination of the western flower thrip vector and by destroying any infected plant material.

Keywords

Impatiens necrotic spot virus; INSV