



Anti-CGMMV polyclonal antibody (CABT-BL6139)

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	Unconjugated
Applications	ELISA
Format	Liquid
Size	0.2 ml/1 ml
Buffer	In 0.1 M phosphate buffered saline, pH 7.4.
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 Cucumber green mottle mosaic virus (CGMMV) is a plant pathogenic virus. In Europe this virus disease is found since 1965–1975. Watermelon and melon are also susceptible to this virus. The virus affects the young leaves with green and light green spots, even yellow-green spots. These spots have a slower development rate than the rest of the leaf. Sometimes the veins remain green. In heavy infection young leaves are even deformed. The activity of the virus is reduced when the leaf ages. Fruit drop (abortion) is common. The rest of the fruits are small. Yield is reduced by 25% even more if no control action are taken into account. In the epidermis of the sick plants characteristic structures can be seen easily with a microscope.

Keywords Cucumber green mottle mosaic virus; CGMMV; tobacco mosaic virus watermelon strain—W; cucumber virus 3; cucumber virus 4; cucumis virus 2