



## Anti-TMV polyclonal antibody (CABT-B1023)

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

### PRODUCT INFORMATION

<b>Target</b>	Tobacco Mosaic Virus
<b>Immunogen</b>	A mixture of two synthetic peptides corresponding to aa 65-78 (DSDFKVYRYNAVLD) and aa 141-151 (NRSSFESSSGL) of the TMV coat protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Tobacco Mosaic Virus
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA(Cap)
<b>Format</b>	Liquid, Purified
<b>Concentration</b>	Lot specific
<b>Size</b>	2mL
<b>Preservative</b>	See individual product datasheet
<b>Storage</b>	Store at -20 °C. Stable at least one year at -20 °C. Avoid repeated freezing and thawing.

### BACKGROUND

**Introduction** TMV belongs to the genus Tobamovirus of the family Tobamoviridae and its genome consists of a single-stranded positive-sense RNA. The coat protein (17.5 kDa) participates in the structure and assembly of rod-shaped virions. This protein is also essential for virus replication, cell-to-cell movement and rapid long-distance movement of TMV in plants. TMV is transmitted by grafting and seeds.

**Keywords** Group IV ((+)ssRNA);Virgaviridae;Tobamovirus;Tobacco mosaic virus;TMV

### GENE INFORMATION

**Synonyms**

Group IV ((+)ssRNA);Virgaviridae;Tobamovirus;Tobacco mosaic virus;TMV

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