



# Mouse Anti-RuV E1 Monoclonal antibody, clone 4-8 (CABT-RM304)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Specific for the Rubella E1 protein and reacts with non-reduced antigens on Western Blots. Exhibits a low level of HI activity. Exhibits neutralizing activity.
<b>Target</b>	RuV E1
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	RuV
<b>Clone</b>	4-8
<b>Purification</b>	Protein A Chromatography
<b>Conjugate</b>	unconjugated
<b>Applications</b>	ELISA, WB
<b>Format</b>	Liquid
<b>Concentration</b>	3.25 mg/mL
<b>Size</b>	1 mg
<b>Buffer</b>	PBS, pH 7.4±0.2
<b>Preservative</b>	None
<b>Storage</b>	Short term (up to 7 days) store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

# BACKGROUND

**Introduction**

Rubella virus is the only member of the Rubivirus genus of the Togavirus family. Unlike most Togaviruses it is NOT arthropod borne, but is acquired via the respiratory route. It is an enveloped, non-segmented, positive sense, RNA virus and replicates in the cytoplasm. It consists of 3 structural proteins; E1, E2 membrane bound glycoproteins, and C capsid protein.

**Keywords**

E1; Glycoprotein E1; Spike glycoprotein E1; Rubella Virus E1; Rubella Virus E1 mosaic; Togaviridae; Rubivirus; RuV