## **Product Datasheet**

## Rubella Virus E1 glycoprotein Antibody FITC Conjugated

Catalog No: #C00219F



Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com

Product NameRubella Virus E1 glycoprotein Antibody FITC ConjugatedHost SpeciesRabbitClonalityPolyclonalIsotypeIgGPurificationPurified by Protein A.ApplicationsIFSpecies ReactivityRubella virusCrossing ReactivityRubella virusImmunogen DescriptionKLH conjugated synthetic peptide as 810-860 1063 derived from Rubella Virus E1 envelope glycoproteinCrojugatesE1 glycoprotein; Glycoprotein E1; Spike glycoprotein E1; POLS_RUBVM.Excitation EmissionIng mlConcentrationStame Stame Sta	Description	
ClonalityPolyclonalIsotypeIgGPurificationPurified by Protein A.ApplicationsIFSpecies ReactivityRubellavirusCrossing ReactivityRubella virusImmunogen DescriptionK1H conjugated synthetic peptide aa 810-860 1063 derived from Rubella Virus E1 envelope glycoproteinConjugatesFITCTarget NamesE1 glycoprotein; Glycoprotein E1; Spike glycoprotein E1; PDLS_RUBVM.Excitation Emission494m 518nmConcentrationImg ml	Product Name	Rubella Virus E1 glycoprotein Antibody FITC Conjugated
IsotypeIgGPurificationPurified by Protein A.ApplicationsIFSpecies ReactivityRubellavirusCrossing ReactivityRubella virusImmunogen DescriptionKLH conjugated synthetic peptide aa 810-860 1063 derived from Rubella Virus E1 envelope glycoproteinConjugatesFITCTarget NameE1 glycoprotein; Glycoprotein E1; Spike glycoprotein E1; POLS_RUBVM.Excitation Emission494nm 518nmConcentrationImg ml	Host Species	Rabbit
PurificationPurified by Protein A.ApplicationsIFSpecies ReactivityRubellavirusCrossing ReactivityRubella virusImmunogen DescriptionKLH conjugated synthetic peptide aa 810-860 1063 derived from Rubella Virus E1 envelope glycoproteinConjugatesFITCTarget NameE1 glycoproteinOther NamesE1; E1 envelope glycoprotein E1; Spike glycoprotein E1; POLS_RUBVM.Excitation Emissionimg ml	Clonality	Polyclonal
ApplicationsIFSpecies ReactivityRubellavirusCrossing ReactivityRubella virusImmunogen DescriptionKLH conjugated synthetic peptide aa 810-860 1063 derived from Rubella Virus E1 envelope glycoproteinConjugatesFITCTarget NameE1 glycoproteinOther NamesE1; E1 envelope glycoprotein; Glycoprotein E1; Spike glycoprotein E1; POLS_RUBVM.Excitation Emission1mg ml	Isotype	lgG
Species ReactivityRubellavirusCrossing ReactivityRubella virusImmunogen DescriptionKLH conjugated synthetic peptide aa 810-860 1063 derived from Rubella Virus E1 envelope glycoproteinConjugatesFITCTarget NameE1 glycoproteinOther NamesE1; E1 envelope glycoprotein; Glycoprotein E1; Spike glycoprotein E1; POLS_RUBVM.Excitation Emission494nm 518nmConcentrationImg ml	Purification	Purified by Protein A.
Crossing ReactivityRubella virusImmunogen DescriptionKLH conjugated synthetic peptide aa 810-860 1063 derived from Rubella Virus E1 envelope glycoproteinConjugatesFITCTarget NameE1 glycoproteinOther NamesE1; E1 envelope glycoprotein; Glycoprotein E1; Spike glycoprotein E1; POLS_RUBVM.Excitation Emission494nm 518nmConcentrationImg ml	Applications	IF
Immunogen DescriptionKLH conjugated synthetic peptide aa 810-860 1063 derived from Rubella Virus E1 envelope glycoproteinConjugatesFITCTarget NameE1 glycoproteinOther NamesE1; E1 envelope glycoprotein; Glycoprotein E1; Spike glycoprotein E1; POLS_RUBVM.Excitation Emission494nm 518nmConcentration1mg ml	Species Reactivity	Rubellavirus
ConjugatesFITCTarget NameE1 glycoproteinOther NamesE1; E1 envelope glycoprotein; Glycoprotein E1; Spike glycoprotein E1; POLS_RUBVM.Excitation Emission494nm 518nmConcentration1mg ml	Crossing Reactivity	Rubella virus
Target NameE1 glycoproteinOther NamesE1; E1 envelope glycoprotein; Glycoprotein E1; Spike glycoprotein E1; POLS_RUBVM.Excitation Emission494nm 518nmConcentration1mg ml	Immunogen Description	KLH conjugated synthetic peptide aa 810-860 1063 derived from Rubella Virus E1 envelope glycoprotein
Other Names E1; E1 envelope glycoprotein; Glycoprotein E1; Spike glycoprotein E1; POLS_RUBVM.   Excitation Emission 494nm 518nm   Concentration 1mg ml	Conjugates	FITC
Excitation Emission 494nm 518nm   Concentration 1mg ml	Target Name	E1 glycoprotein
Concentration 1mg ml	Other Names	E1; E1 envelope glycoprotein; Glycoprotein E1; Spike glycoprotein E1; POLS_RUBVM.
	Excitation Emission	494nm 518nm
Formulation 0.01M TDS/nL17.4) with 19/ DSA 0.020/ Decelia200 and 509/ Chaosal	Concentration	1mg ml
Formulation 0.01MTBS(PH7.4) with 1% BSA, 0.03% Proclination and 50% Glycerol.	Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.	Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## **Application Details**

IF=1:50-200

## Background

Rubella virus (RV), the sole member of the genus Rubivirus within the family Togaviridae, is a small enveloped, positive strand RNA virus. The nucleocapsid consists of 40S genomic RNA and a single species of capsid protein which is enveloped within a host-derived lipid bilayer containing two viral glycoproteins, E1 (58 kDa) and E2 (42-46 kDa). In virus infected cells, RV matures by budding either at the plasma membrane, or at the internal membranes depending on the cell type and enters adjacent uninfected cells by a membrane fusion process in the endosome, directed by E1-E2 heterodimers. The heterodimer formation is crucial for E1 transport out of the endoplasmic reticulum to the Golgi and plasma membrane. In RV E1, a cysteine at position 82 is crucial for the E1-E2 heterodimer formation and cell surface expression of the two proteins. E1 has been shown to be a type 1 membrane protein, rich in cysteine residues with extensive intramolecular disulphide bonds [PMID: 11682134]

Note: This product is for in vitro research use only