

For Research Use Only

# dsRNA Recombinant antibody

Catalog Number: 85780-2-RR



## Basic Information

Catalog Number:

85780-2-RR

GenBank Accession Number:

GeneID (NCBI):

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Full Name:

Source:

Rabbit

Isotype:

IgG

Purification Method:

Protein A purification

CloneNo.:

250708A2

Recommended Dilutions:

IF/ICC: 1:125-1:500

FC (Intra): 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Dot Blot: 1:50-1:500

## Applications

Tested Applications:

IF/ICC, FC (Intra), Dot Blot, ELISA

Species Specificity:

n/a

Positive Controls:

IF/ICC : Live vaccines of TGEV and PEDV-infected Vero cells, Transfected Vero

FC (Intra) : Transfected Vero,

Dot Blot : N/A, Poly(I:C)

## Background Information

dsRNA is formed by the base pairing of two RNA strands, creating a double helix structure similar to DNA, but with some differences. dsRNA can be generated through various mechanisms. In the context of viral infections, it can be derived from the genomes of dsRNA viruses, replication intermediates of single-stranded RNA viruses, or bidirectional transcription of certain DNA viruses. Additionally, aberrant splicing or transcriptional processes may lead to the formation of dsRNA structures. dsRNA is recognized as a pathogen-associated molecular pattern (PAMP) by the immune system. It can trigger a series of immune responses in cells, including the activation of antiviral innate immune pathways.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

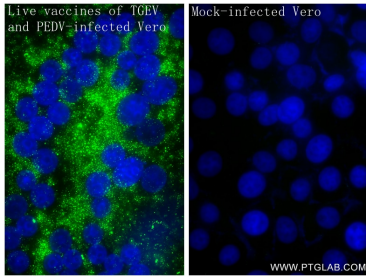
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

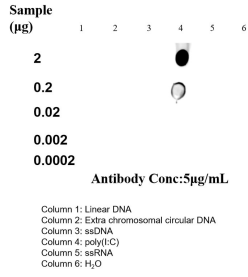
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

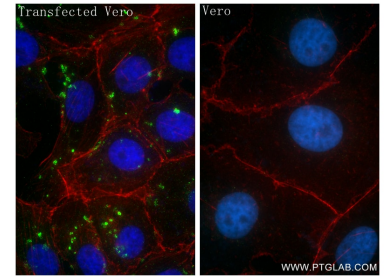
## Selected Validation Data



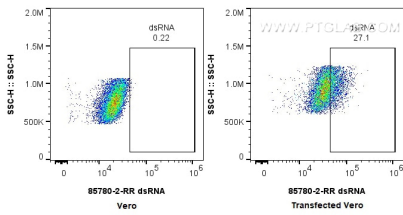
Immunofluorescent analysis of (4% PFA) fixed Live vaccines of TGEV and PEDV-infected Vero cells using dsRNA antibody (85780-2-RR, Clone: 250708A2) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



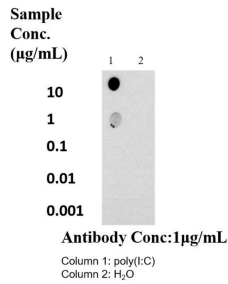
Dot blot analysis was used to confirm the specificity of 85780-2-RR anti-dsRNA antibody. samples were spotted onto NC and probed with antibody at 5  $\mu\text{g}/\text{ml}$ . The amount of sample ( $\mu\text{g}$ ) spotted is indicated next to each row.



Immunofluorescent analysis of (4% PFA) fixed Transfected Vero using dsRNA antibody (85780-2-RR, Clone: 250708A2) at dilution of 1:250 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10<sup>6</sup> Transfected Vero were intracellularly stained with 0.25  $\mu$ g dsRNA Recombinant antibody (85780-2-RR, Clone:250708A2) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG (H+L) (SCA00013-2), and 0.25  $\mu$ g Rabbit IgG isotype Control (ReAb00136-1-RR, Clone: 240953C9). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Dot blot analysis was used to confirm the specificity of 85780-2-RR dsRNA antibody. samples were spotted onto NC and probed with antibody at 1 µg/mL. The amount of sample (µg/mL) spotted is indicated next to each row.