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[Primary Antibody]

Recombinant Rabbit Anti-DNA Monoclonal Antibody

Catalog Number: SLA1032M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	2A5
Target:	DNA
Immunogen:	dsRNA
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	Flow-Cyt (1:50-100) ICC/IF (1:50-200) ELISA (1:5000-10000) dot-blot (1:50-200) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Species independent
Background:	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.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.