

## Product datasheet

# Anti-ds DNA antibody [rDSD/4565] ab273137

Recombinant

[1 References](#) [3 Images](#)

### Overview

<b>Product name</b>	Anti-ds DNA antibody [rDSD/4565]
<b>Description</b>	Mouse monoclonal [rDSD/4565] to ds DNA
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Tissue, cells or virus corresponding to ds DNA. Nuclei of Burkitt's cells
<b>Positive control</b>	IHC-P: Human lymph node and colon tissue.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: PBS, 0.05% BSA
<b>Purification notes</b>	Ab purified from Bioreactor Concentrate.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	rDSD/4565
<b>Isotype</b>	IgG2a
<b>Light chain type</b>	kappa

### Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab273137 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

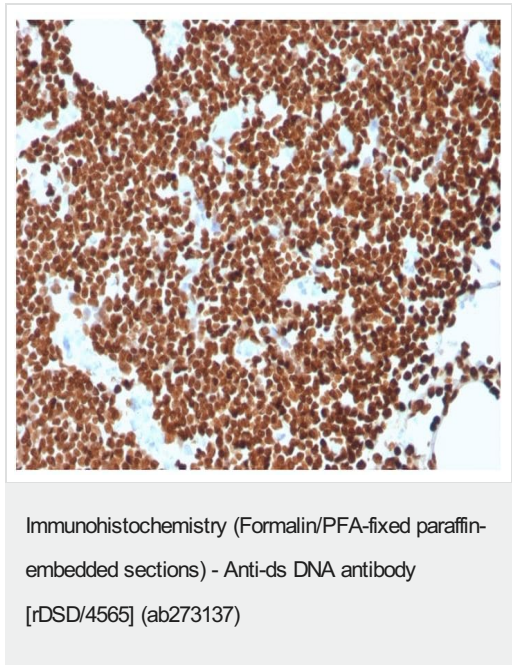
Application	Abreviews	Notes
IHC-P		Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

**Target**

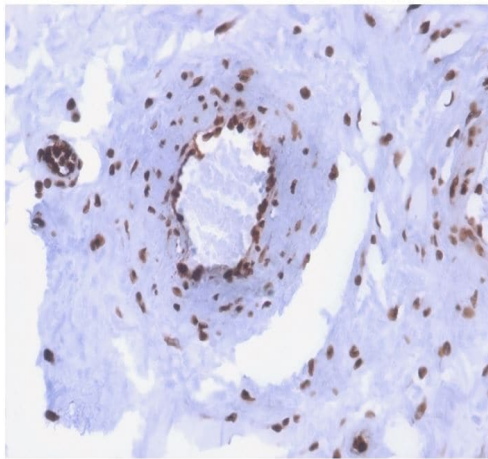
**Relevance** dsDNA (double stranded deoxyribonucleic acid) is the genetic material of all cells and many viruses and is a polymer of nucleotides. The monomer consists of phosphorylated 2-deoxyribose N-glycosidically linked to one of four bases, adenine, cytosine, guanine or thymine. These are linked together by 3',5'-phosphodiester bridges. In the Watson-Crick double-helix model, two complementary strands are wound in a right-handed helix and held together by hydrogen bonds between complementary base pairs.

**Cellular localization** Nuclear

**Images**



Paraffin embedded human lymph node tissue stained for double stranded DNA (dsDNA) using ab273137 at 2 µg/ml in immunohistochemical analysis.



Paraffin embedded human colon tissue stained for double stranded DNA (dsDNA) using ab273137 at 2 µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ds DNA antibody [rDSD/4565] (ab273137)

Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-ds DNA antibody [rDSD/4565] (ab273137)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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