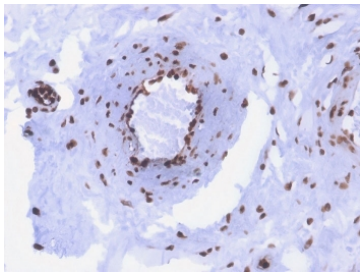
Recombinant dsDNA Antibody [clone rDSD/4565] (V8639)

Catalog No.	Formulation	Size
V8639-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8639-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8639SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

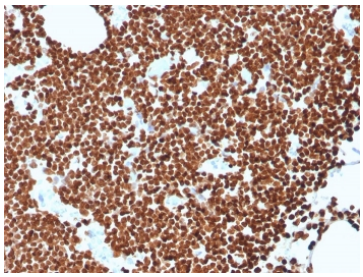
Recombinant MOUSE MONOCLONAL

Bulk quote request

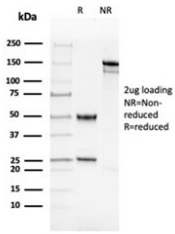
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2a, kappa
Clone Name	rDSD/4565
Purity	Protein G affinity chromatography
UniProt	Not Applicable
Localization	Nuclear
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Immunofluorescence : 1-3ug/ml
Limitations	This recombinant dsDNA antibody is available for research use only.



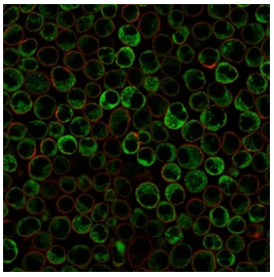
IHC staining of FFPE human colon with recombinant dsDNA antibody (clone rDSD/4565). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lymph node with recombinant dsDNA antibody (clone rDSD/4565). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant dsDNA antibody (clone rDSD/4565) as confirmation of integrity and purity.



Immunofluorescent staining of PFA-fixed human Raji cells with recombinant dsDNA antibody (clone rDSD/4565, green) and Phalloidin (red).

Description

This MAb recognizes the double stranded DNA in human cells. It can be used to stain the nuclei in cell or tissue preparations and can be used as a nuclear marker in human cells. This MAb produces a homogeneous staining pattern in the nucleus of normal and malignant cells. Double Stranded deoxyribonucleic acid (ds DNA) 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-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.

Application Notes

Optimal dilution of the recombinant dsDNA antibody should be determined by the researcher.

Immunogen

Nuclei of Burkitt cells were used as the immunogen for the recombinant dsDNA antibody.

Storage

Store the recombinant dsDNA antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).