

# Datasheet



Mouse mAb to **Double strand DNA**  
Clone **AE-2**  
Isotype **IgG3-κ**

## Source

A hybrid (BALB/c x B6) mouse was immunized with nuclei of Raji Burkitt's lymphoma cells.

## Specifications

AE-2 recognizes double stranded DNA expressed in the nucleus of eukaryotes.

## Species reactivity

Positive: all eukaryotes.

## Applications

Immunohistochemistry on frozen and paraffin sections and flow cytometry.

Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections
+	+	+	HCl

## Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and present in PBS with 0,02% sodium azide.

Stored at 4°C-8°C, shelf life is at least 24 months after purchase.

## Dilution advice

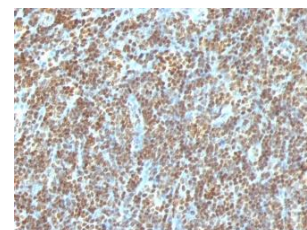
- Flow cytometry (1-2 µg/million cells in 0,1 ml, fix cells in 4% PFA for 10 min, at 4°C, permeabilize with 0,2% saponin or digitonin for 15 min, at 4°C).
- Immunofluorescence (1-2 µg/ml).
- Immunohistology (1-2 µg/ml for 30 min at RT; staining of formalin-fixed tissues requires incubating tissue sections in 4N HCl, for 30 minutes).

## Positive control

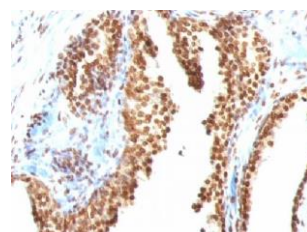
Human tonsil.

## References

- 1.Epstein, A.L. and Clevenger, C.V., Identification of nuclear antigens in human cells by immunofluorescence, immunoelectron microscopy, and immuno-biochemical methods using monoclonal antibodies. In Progress on nonhistone protein research, Vol. 1, Isaac Bekhor, ed., 1985, CRC Press, Boca Raton, FL, pp 117-137.



**Figure 1:** Human tonsil stained with AE-2 (paraffin section)



**Figure 2:** Colon carcinoma stained with AE-2 (paraffin section)