Datasheet

Mouse mAb to **Nucleolar antigen**
Clone **AE-3**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with nuclei of myeloid leukemia biopsy cells.
Fusion partner: NS-1.

Specifications

AE-3 recognizes a nucleolar antigen expressed in nucleoli of human cells. AE-3 can also be used as a marker of the nucleolus in subcellular fractions.

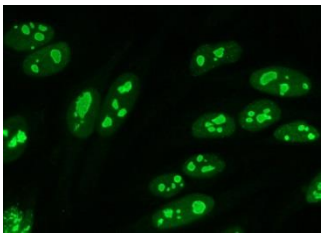

Figure 1: Immunological staining of nuleoli (IF).

Species reactivity

Positive: human.

Applications

AE-3 produces a diffuse staining pattern of the nucleolus of normal and malignant cells and can be used for paraformaldehyde fixed or frozen tissue or cell preparations and formalin fixed, paraffin-embedded tissue sections.

Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections
-	+	+	+

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02% sodium azide.
Stored at 4°C-8°C, shelf life is at least 24 months after purchase.

Dilution advice

- Immunofluorescence (0,5-1,0 µg/ml).
- Immunohistology (1-2 µg/ml for 30 min at RT; staining of formalin-fixed tissues better after boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes).

Positive control

Human tonsil.

References

- 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 non-histone protein research, Vol. 1, Isaac Bekhor, ed., 1985, CRC Press, Boca Raton, FL, pp 117-137.