

MNDA Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50362

Clone# BP6330

Predicted Molecular Wt: 46kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P41218

Background:

Myeloid cell nuclear differentiation antigen (MNDA) is an interferon-regulated member of the PYHIN protein family that is selectively expressed in the nuclei of granulocytes and monocytes, where it serves as a transcriptional modulator and apoptosis regulator by interacting with nucleolin and the repressor YY1 to control genes involved in programmed cell death and inflammatory responses.

MNDA is confined to myelomonocytic cells and a subset of mantle/marginal zone B cells in spleen, lymph node and tonsil. In tumor contexts, MNDA has been detected in the mantle cell lymphoma and marginal zone lymphoma.

MNDA is a robust nuclear marker whose diffuse positivity distinguishes marginal zone lymphoma from follicular lymphoma and reactive lymphoid hyperplasia, making it a first-line discriminatory tool in small B-cell lymphoma panels.

Subcellular location:

Nucleus/Cytoplasm

Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

The synthetic peptide corresponding to Human MNDA aa 327-376.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage Conditions:

-25°C to -18°C

Shipment Instructions:

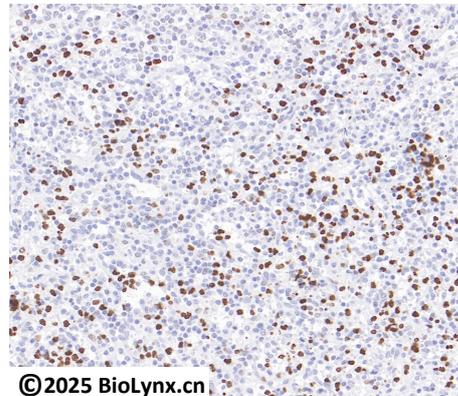
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200

Background References:

- Bottardi, S. et al. (2024) Front Immunol. Apr 12:15:1395035.
- Meng, Y. et al. (2024) Int J Biol Sci. May 5;20(8):2814-2832.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human spleen labelling MNDA with BP6330.

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.