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Store at -20C
#3329

MNDA (3C1) Rat mAb

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IHC-P, IF-IC, FC-FP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 50	Source/Isotype: Rat IgG1	UniProt ID: #P41218	Entrez-Gene Id: 4332
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Product Usage Information

Application

Western Blotting
Immunohistochemistry (Paraffin)
Immunofluorescence (Immunocytochemistry)
Flow Cytometry (Fixed/Permeabilized)

Dilution

1:1000
1:200 - 1:400
1:200 - 1:400
1:400 - 1:800

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

MNDA (3C1) Rat mAb detects endogenous levels of total MNDA protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with nuclear extract from human granulocytes.

Background

MNDA (myeloid cell nuclear differentiation antigen) is a transcription factor constitutively expressed in peripheral blood granulocytes and monocytes; low expression is also found in a subset of B cells (1,2). MNDA is a member of the interferon (IFN)-regulated 200 family of genes, which contain one or more copies of a partially conserved domain of 200 amino acid residues thought to mediate protein-protein interaction (3). MNDA may play a role in apoptosis and its expression is reduced in myelodysplastic syndromes (MDS) (4). MNDA has been proposed to be a marker for nodal marginal zone lymphoma (5).

Background References

1. Briggs, R.C. et al. (1994) *J Cell Biochem* 56, 559-67.
2. Miranda, R.N. et al. (1999) *Hum Pathol* 30, 1040-9.
3. Landolfo, S. et al. (1998) *Biochimie* 80, 721-8.
4. Briggs, R.C. et al. (2006) *Cancer Res* 66, 4645-51.
5. Kanellis, G. et al. (2009) *Leukemia* 23, 1847-57.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IHC-P:** Immunohistochemistry (Paraffin) **IF-IC:** Immunofluorescence (Immunocytochemistry) **FC-FP:** Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key

H: Human

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