

#3329 Store at -20°C

MNDA (3C1) Rat mAb



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

Product Usage Information

Application

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

Dilution

1:1000
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

WB: Western Blotting **IF-IC:** Immunofluorescence (Immunocytochemistry)
FC-FP: Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key

H: human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm:** D. melanogaster
X: Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Sc:** S. cerevisiae **Ce:** C. elegans **Hr:** horse
GP: Guinea Pig **Rab:** rabbit **All:** all species expected

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