

MNDA Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP11243a

Specification

MNDA Antibody (N-term) Blocking peptide - Product Information

Primary Accession [P41218](#)

MNDA Antibody (N-term) Blocking peptide - Additional Information

Gene ID 4332

Other Names

Myeloid cell nuclear differentiation antigen, MNDA

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MNDA Antibody (N-term) Blocking peptide - Protein Information

Name MNDA

Function

May act as a transcriptional activator/repressor in the myeloid lineage. Plays a role in the granulocyte/monocyte cell-specific response to interferon. Stimulates the DNA binding of the transcriptional repressor protein YY1.

Cellular Location

Nucleus. Cytoplasm. Note=Uniformly distributed throughout the interphase cell nucleus. Associates with chromatin

Tissue Location

Expressed constitutively in cells of the myeloid lineage. Found in promyelocyte stage cells as well as in all other stage cells including peripheral blood monocytes and granulocytes. Also appears in myeloblast cells in some cases of acute myeloid Leukemia

MNDA Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

MNDA Antibody (N-term) Blocking peptide - Images

MNDA Antibody (N-term) Blocking peptide - Background

The myeloid cell nuclear differentiation antigen (MNDA) is detected only in nuclei of cells of the granulocyte-monocyte lineage. A 200-amino acid region of human MNDA is strikingly similar to a region in the proteins encoded by a family of interferon-inducible mouse genes, designated Ifi-201, Ifi-202, and Ifi-203, that are not regulated in a cell- or tissue-specific fashion. The 1.8-kb MNDA mRNA, which contains an interferon-stimulated response element in the 5-prime untranslated region, was significantly upregulated in human monocytes exposed to interferon alpha. MNDA is located within 2,200 kb of FCER1A, APC5, CRP, and SPTA1. In its pattern of expression and/or regulation, MNDA resembles IFI16, suggesting that these genes participate in blood cell-specific responses to interferons.

MNDA Antibody (N-term) Blocking peptide - References

Kimkong, I., et al. J. Rheumatol. 37(7):1544-1547(2010) Kanellis, G., et al. Leukemia 23(10):1847-1857(2009) Joshi, A.D., et al. Clin. Cancer Res. 13 (18 PT 1), 5295-5304 (2007) :Briggs, R.C., et al. Cancer Res. 66(9):4645-4651(2006) Asefa, B., et al. FEBS Lett. 580(5):1205-1214(2006)