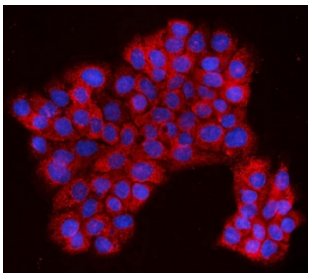
# PRDM3 Antibody / MECOM / EVI1 (RQ7983)

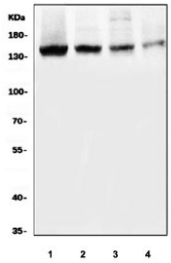
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ7983 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

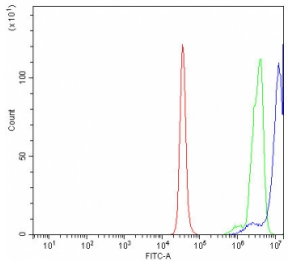
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q03112 |
| **Localization** | Cytoplasmic, nuclear |
| **Applications** | Western blot: 0.5-1ug/ml<br>Immunofluorescence: 5ug/ml<br>Flow cytometry: 1-3ug/million cells<br>Direct ELISA: 0.1-0.5ug/ml |
| **Limitations** | This PRDM3 antibody is available for research use only. |



Immunofluorescent staining of FFPE human A431 cells with PRDM3 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.




Western blot testing of human 1) SK-O-V3, 2) HEL, 3) K562 and 4) Caco-2 cell lysate with PRDM3 antibody. Predicted molecular weight ~138 kDa.




Flow cytometry testing of human K562 cells with PRDM3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PRDM3 antibody.

## Description

MDS1 and EVI1 complex locus protein EVI1 (MECOM) also known as ecotropic virus integration site 1 protein homolog (EVI-1) or positive regulatory domain zinc finger protein 3 (PRDM3) is a protein that in humans is encoded by the MECOM gene. The protein encoded by this gene is a transcriptional regulator and oncoprotein that may be involved in hematopoiesis, apoptosis, development, and cell differentiation and proliferation. The encoded protein can interact with CTBP1, SMAD3, CREBBP, KAT2B, MAPK8, and MAPK9. This gene can undergo translocation with the AML1 gene, resulting in overexpression of this gene and the onset of leukemia. Several transcript variants encoding a few different isoforms have been found for this gene.

## Application Notes

Optimal dilution of the PRDM3 antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids E125-D743) was used as the immunogen for the PRDM3 antibody.

## Storage

After reconstitution, the PRDM3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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