International Office

Everest Biotech Ltd
Vector Laboratories, Inc.
6737 Mowry Ave
Newark, CA 94560
United States

Customer Service:
customerservice@vectorlabs.com
Technical Service:
technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

EB05579 - Goat Anti-PRDM16 / MEL1 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: PRDM16, MEL1, KIAA1675, PR domain containing 16, transcription factor MEL1, MGC166915, PFM13, MDS1/EVI1-like, PR-domain zinc finger protein 16
Official Symbol: PRDM16
Accession Number(s): NP_071397.3, NP_955533.2
Human GeneID(s): 63976
Important Comments: This antibody is expected to recognise both reported isoforms.

Immunogen

Peptide with sequence C-TSESGAFHPINHL, from the C Terminus of the protein sequence according to NP_071397.3, NP_955533.2.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Flow Cytometry: Flow cytometric analysis of HEK293 cells. Recommended concentration: 10ug/ml.

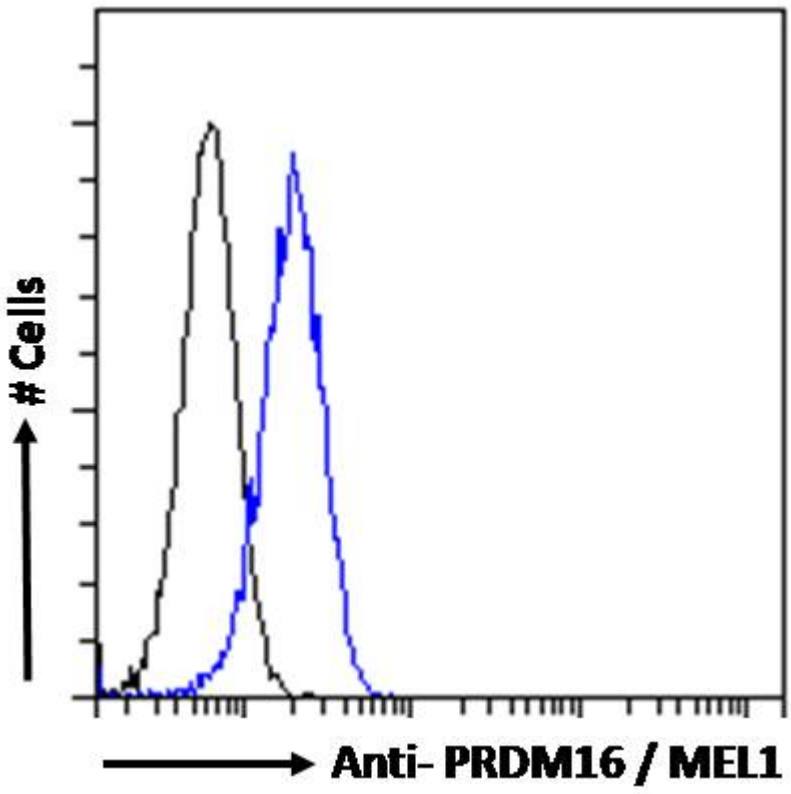
ChIP: This product has been successfully used in ChIP on Mouse: Hondares E et al. (2011) Cell Transplant. 2011;20(8):1179-92. PMID: 21294954.

Species Reactivity

Tested: Human, Mouse
Expected from sequence similarity: Human

Specific Reference

This antibody has been successfully used in ChIP on Mouse:
Hondares E, Rosell M, Díaz-Delfín J, Olmos Y, Monsalve M, Iglesias R, Villarroya F, Giralt M.
Peroxisome proliferator-activated receptor α (PPARα) induces PPARγ coactivator 1α (PGC-1α) gene expression and contributes to thermogenic activation of brown fat: involvement of PRDM16.
J Biol Chem. 2011 Dec 16;286(50):43112-22.
PMID: 22033933



EB05579 Flow cytometric analysis of paraformaldehyde fixed HEK293 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.