

#### **International Office**

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# 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**

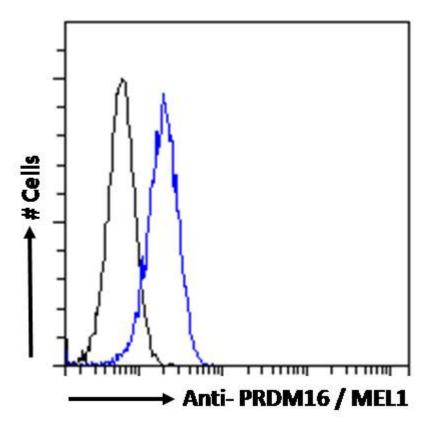
### This antibody has been successfully used in ChIP on Mouse:

Hondares E, Rosell M, Díaz-Delfín J, Olmos Y, Monsalve M, Iglesias R, Villarroya F, Giralt M.

Peroxisome proliferator-activated receptor  $\alpha$  (PPAR $\alpha$ ) induces PPAR $\gamma$  coactivator  $1\alpha$  (PGC- $1\alpha$ ) 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.