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**Research Use Only. Not for
diagnostic or therapeutic use.**

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 (PPAR α) induces PPAR γ coactivator 1 α (PGC-1 α) 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.