

## UK Office

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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: (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, Villarroja 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.