bsm-51634M **[Primary Antibody]**

PRDM16 Mouse mAb

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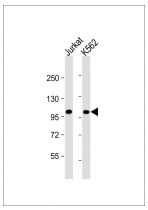
DATASHEET

Host: Mouse
Isotype: IgG1,k
Clonality: Monoclonal
CloneNo.: G10T8
GeneID: 63976
SWISS: Q9HAZ2
Target: PRDM16
Purification: affinity purified by Protein G
Concentration: 1mg/ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background: The reciprocal translocation t(1;3)(p36;q21) occurs in a subset of myelodysplastic syndrome (MDS) and acute myeloid leukemia (AML). This gene is located near the 1p36.3 breakpoint and has been shown to be specifically expressed in the t(1:3)(p36,q21)-positive MDS/AML. The protein encoded by this gene is a zinc finger transcription factor and contains an N-terminal PR domain. The translocation results in the overexpression of a truncated version of this protein that lacks the PR domain, which may play an important role in the pathogenesis of MDS and AML. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

Applications: **WB** (1:500-2000)
Reactivity: Human
Predicted MW.: 150 kDa
Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: Lane 1: Jurkat cell lysates Lane 2: K562 cell lysates Primary: Anti-PRDM16 (bsm-51634M) at 1/4000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 150 kD Observed band size: 100 kD

SELECTED CITATIONS

- **[IF=8.1]** Fan Li. et al. Proline hydroxylase 2 (PHD2) promotes brown adipose thermogenesis by enhancing the hydroxylation of UCP1. MOL METAB. 2023 Jun;:101747 CoIP ;Mouse. 37279828

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.