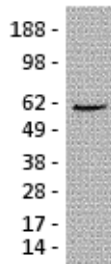


Anti-Mouse Aiolos Purified

Catalog Number: 14-5789

Also known as: IKZF3

RUO: For Research Use Only. Not for use in diagnostic procedures.



Immunoblotting of reduced cell lysate prepared from mouse splenocytes with 5 ug/mL of Anti-Mouse Aiolos antibody. Bands were visualized using Anti-Mouse IgG HRP.

Product Information



Contents: Anti-Mouse Aiolos Purified

Catalog Number: 14-5789

Clone: 8B2

Concentration: 0.5 mg/mL

Host/Isotype: Mouse IgG1, kappa



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C.

Batch Code: Refer to vial

Use By: Refer to vial

Description

This 8B2 monoclonal antibody reacts with mouse Aiolos, a 58-kDa member of the Ikaros family of zinc finger transcription factors. Expression of Aiolos is restricted to the lymphoid lineage, with B cells exhibiting the highest levels of expression, followed by NK and T cells. Studies demonstrate that Aiolos forms homodimers or heterodimerizes with Ikaros proteins. Moreover, Aiolos exhibits tyrosine phosphorylation and nuclear localization in response to IL-2 stimulation in T cells. Aiolos plays a role in IL-2-mediated anti-apoptosis by controlling Bcl-2 expression. Finally, Aiolos is involved in B cell development, with upregulation of this transcription factor observed at the pre-BI to pre-BII transition in response to pre-B cell receptor signaling.

Applications Reported

This 8B2 antibody has been reported for use in immunoblotting/western blotting.

Applications Tested

This 8B2 antibody has been tested by immunoblotting of reduced cell lysate prepared from mouse splenocytes. This can be used at less than or equal to 5 ug/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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Romero F, Martínez-A C, Camonis J, Rebollo A. Aiolos transcription factor controls cell death in T cells by regulating Bcl-2 expression and its cellular localization. *EMBO J.* 1999 Jun 15;18(12):3419-30.

Morgan B, Sun L, Avitahl N, Andrikopoulos K, Ikeda T, Gonzales E, Wu P, Neben S, Georgopoulos K. Aiolos, a lymphoid restricted transcription factor that interacts with Ikaros to regulate lymphocyte differentiation. *EMBO J.* 1997 Apr 15;16(8):2004-13.

Related Products

14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)

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