

Anti-Ikaros Purified IKZF1 Monoclonal Antibody

Catalog Number: M00531

About IKZF1

Ikaros, also known as IKZF1 (Ikaros family zinc finger protein 1) is a hematopoietic-specific transcription factor involved in the regulation of lymphocyte development, together with other members of this family, such as Aiolos and Helios. Ikaros forms homo- and heterodimers with these proteins and functions predominantly in early hematopoietic development. Expression of Ikaros, Aiolos and Helios is restricted to cells of the hematopoietic system, whereas other family members, Eos and Pegasus, are more widely expressed. Disruption of Ikaros leads to T and B cell leukemias.

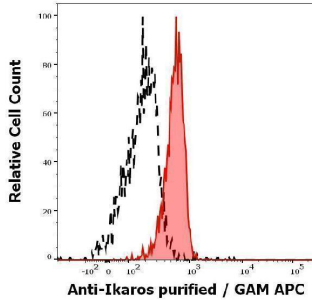
Overview

Product Name	Anti-Ikaros Purified IKZF1 Monoclonal Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Ikaros Purified IKZF1 Monoclonal Antibody (Catalog# M00531). Tested in Flow Cytometry, IP, WB, ICC application(s). This antibody reacts with Mouse, Human.
Application	Flow Cytometry, IP, ICC, WB
Clonality	Monoclonal 4E9
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	Q13422

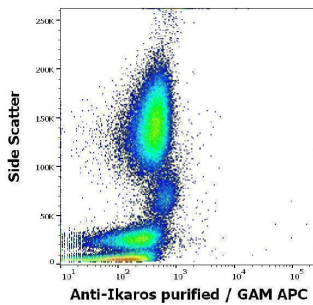
Technical Details

Immunogen	Recombinant human Ikaros (C-terminal part). The mouse monoclonal antibody 4E9 recognizes Ikaros, a transcription factor (intracellular antigen) expressed broadly in hematopoietic progenitors and serving as a key regulator of lymphopoiesis.
Predicted Reactive Species	Primate
Isotype	Mouse IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Flow cytometry: 1-4 µg/ml. Intracellular staining.

Anti-Ikaros Purified IKZF1 Monoclonal Antibody (M00531) Images



Separation of human monocytes stained using anti-Ikaros (4E9) purified antibody (concentration in sample 8 $\mu\text{g/ml}$, GAM APC, red-filled) from monocytes stained using mouse IgG1 isotype control (MOPC-21) purified antibody (concentration in sample 8 $\mu\text{g/ml}$, same as Ikaros purified, GAM APC, black-dashed) in flow cytometry analysis (intracellular staining).



Flow cytometry intracellular staining pattern of human peripheral whole blood stained using anti-Ikaros (4E9) purified antibody (concentration in sample 8 $\mu\text{g/ml}$, GAM APC).

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