

30-1078: Anti-Ikaros Monoclonal Antibody (Clone:4E9)

Clonality :	Monoclonal
Clone Name :	4 E 9
Application :	FACS
Reactivity :	Human
Gene :	IKZF1
Gene ID :	10320
Uniprot ID :	Q13422
Format :	Purified
Alternative Name :	IKZF1,IK1,IKAROS,LYF1,ZNFN1A1
Isotype :	Mouse IgG1
Immunogen Information :	Recombinant human Ikaros (C-terminal part)

Description

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 Pegassus, are more widely expressed. Disruption of Ikaros leads to T and B cell leukemias.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow Cytometry *Application note:* intracellular staining
Immunoprecipitation Western Blotting Immunocytochemistry

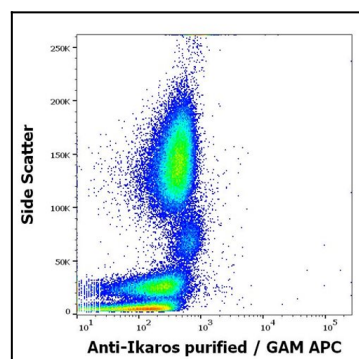


Figure 1: Flow cytometry intracellular staining pattern of human peripheral whole blood stained using anti-Ikaros (4E9) purified antibody (concentration in sample 8 µg/ml, GAM APC).

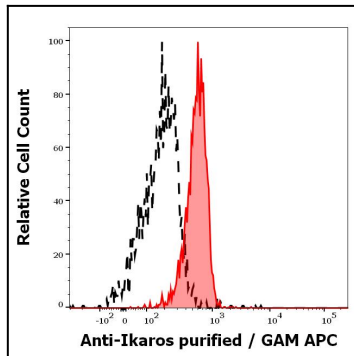


Figure 2: Separation of human monocytes stained using anti-Ikaros (4E9) purified antibody (concentration in sample 8 $\mu\text{g/ml}$, GAM APC, red-filled) from monocytes stained using mouse IgG1 isotype control (MOPC-21) purified antibody (concentration in sample 8 $\mu\text{g/ml}$, same as Ikaros purified, GAM APC, black-dashed) in flow cytometry analysis (intracellular staining).