

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	4 E 9
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	IKZF1
<b>Gene ID :</b>	10320
<b>Uniprot ID :</b>	Q13422
<b>Format :</b>	Purified
<b>Alternative Name :</b>	IKZF1,IK1,IKAROS,LYF1,ZNFN1A1
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	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

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

### Application Note

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

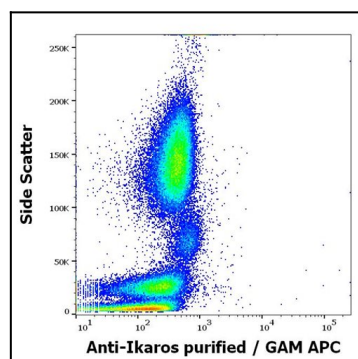


Figure 1: Flow cytometry intracellular staining pattern of human peripheral whole blood stained using anti-Ikaros (4E9) purified antibody (concentration in sample 8 µg/ml, GAM APC).

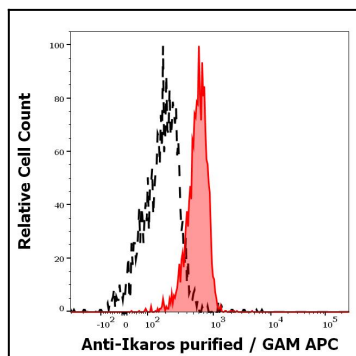


Figure 2: Separation of human monocytes stained using anti-Ikaros (4E9) purified antibody (concentration in sample 8 µg/ml, GAM APC, red-filled) from monocytes stained using mouse IgG1 isotype control (MOPC-21) purified antibody (concentration in sample 8 µg/ml, same as Ikaros purified, GAM APC, black-dashed)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