

Datasheet for ABIN2967182  
**anti-IKZF1 antibody (C-Term) (PE)**

## 3 Images

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## Overview

Quantity:	100 tests
Target:	IKZF1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IKZF1 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

## Product Details

Immunogen:	Recombinant human Ikaros (C-terminal part)
Clone:	4E9
Isotype:	IgG1
Specificity:	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.
Cross-Reactivity (Details):	Human, Mouse
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

## Target Details

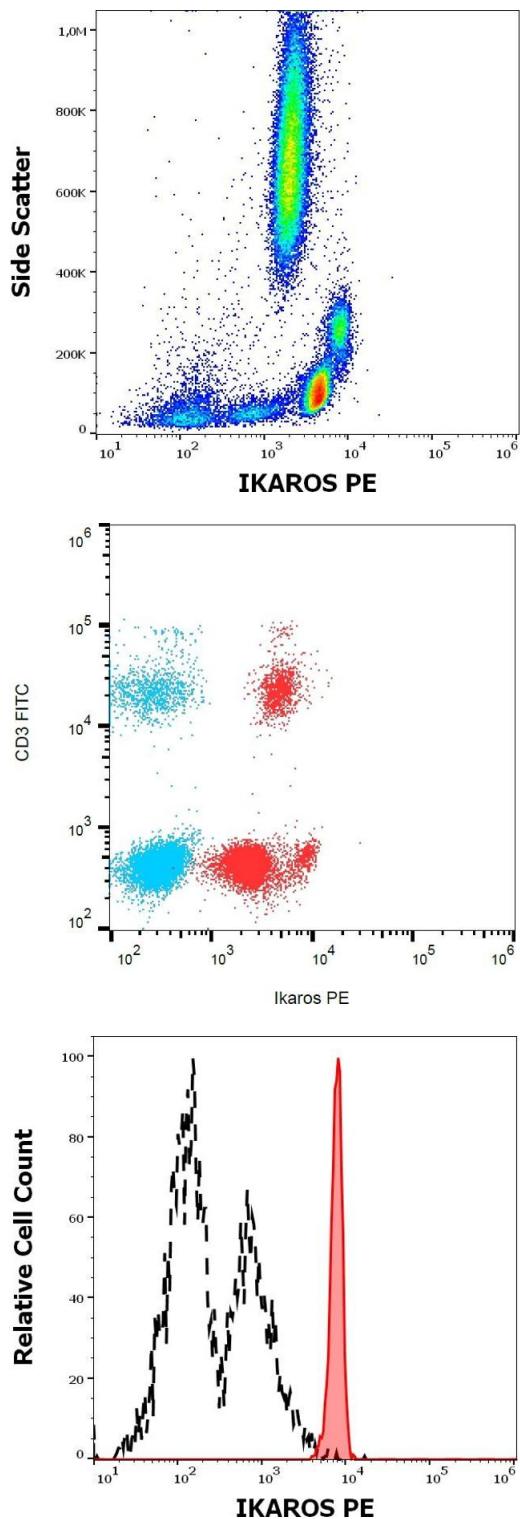
Target:	IKZF1
Alternative Name:	Ikaros ( <a href="#">IKZF1 Products</a> )
Background:	IKAROS family zinc finger 1,Ikaros, also known as IKZF1 (Ikaros family zinc finger protein 1) is a hematopoietic-specific transcription factor involved in the regulation of lymphocyte development, together with other 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.,IKZF1, IK1, LYF1, LyF-1, IKAROS, PPP1R92, PRO0758, ZNFN1A1, Hs.54452, IKAROS family zinc finger 1, Lymphoid transcription factor LyF-1
Gene ID:	10320
UniProt:	<a href="#">Q13422</a>
Pathways:	<a href="#">Production of Molecular Mediator of Immune Response</a>

## Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests. Intracellular staining.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only

## Handling

Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



### Flow Cytometry

**Image 1.** Flow cytometry intracellular staining pattern of human peripheral whole blood stained using anti-Ikaros (4E9) PE antibody (10  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood).

### Flow Cytometry

**Image 2.** Flow cytometry analysis (intracellular staining) of Ikaros in human peripheral blood leukocytes with anti-Ikaros (4E9) PE.

### Flow Cytometry

**Image 3.** Separation of human monocytes (red-filled) from blood debris (black-dashed) in flow cytometry analysis (intracellular staining) of human peripheral whole blood stained using anti-Ikaros (4E9) PE antibody (10  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood).