

Alexa Fluor® 488 anti-human Ikaros Antibody

Catalog# / Size	368407 / 25 tests 368408 / 100 tests
Clone	16B5C71
Regulatory Status	RUO
Other Names	IK1, IKZF1
Isotype	Mouse IgG2a, κ
Description	Ikaros, also known as IKZF1, belongs to a family of zinc-finger DNA-binding proteins that regulate lymphocyte differentiation. It has the ability to form homo- and heterodimers with other members of the Ikaros family, which include Aiolos and Helios. Ikaros can be found on a majority of fetal and adult hematopoietic cell types such as T- and B-cells, natural killer cells (NKs), monocytes/macrophages, and dendritic cells. Ikaros is a tumor suppressor and its absence or reduced expression has been reported in several leukemias.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Human Ikaros peptide (431-477 aa) conjugated to KLH Freund's adjuvant.
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 488 under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our Concentration and Expiration Lookup or Certificate of Analysis online tools.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	ICFC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by intracellular flow cytometry using our True-Nuclear™ Transcription Factor Staining Protocol . Alexa Fluor® and Pacific Blue™ are trademarks of Life Technologies Corporation. View full statement regarding label licenses
Excitation Laser	Blue Laser (488 nm)
Application Notes	There are eight splicing variants with predicted MW 58, 53, 48(2), 43, 41, 31, 24 kDa. This antibody might recognize some of the isoforms.
RRID	AB_2616807 (BioLegend Cat. No. 368407) AB_2616808 (BioLegend Cat. No. 368408)

Antigen Details

Structure	Zinc-finger DNA binding protein, homo/heterodimer, 57.5 kD
Distribution	Fetal and adult hematopoietic cells.
Function	Regulates lymphocyte differentiation.

Interaction	DNA.
Cell Type	B cells, Dendritic cells
Biology Area	Cell Biology, Chromatin Remodeling/Epigenetics, Immunology, Signal Transduction, Transcription Factors
Molecular Family	Nuclear Markers
Antigen References	1. Wargnier A, <i>et al.</i> 1995. <i>Proc. Natl. Acad. Sci. USA</i> 92:6930. 2. Tonnelle C, <i>et al.</i> 2009. <i>Mol. Immunol.</i> 46:1736. 3. Wang H, <i>et al.</i> 2014. <i>Pediatr. Blood Cancer</i> 61:2230.
Gene ID	10320

Related Protocols

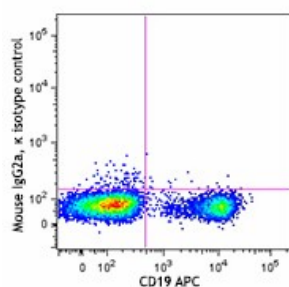
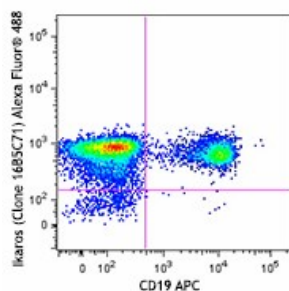
[True-Nuclear™ Transcription Factor Staining Protocol for 96-Well U Bottom Plate](#)

[True-Nuclear™ Transcription Factor Staining Protocol for 5mL Tubes](#)

Other Formats

Purified anti-human Ikaros, Alexa Fluor® 647 anti-human Ikaros, Brilliant Violet 421™ anti-human Ikaros, Alexa Fluor® 488 anti-human Ikaros, PE anti-human Ikaros, APC anti-human Ikaros, PE/Cyanine7 anti-human Ikaros

Product Data



Human peripheral blood mononuclear cells were stained with CD19 PE, treated with the True-Nuclear™ Transcription Factor Buffer Set, and then stained with Ikaros (clone 16B5C71) Alexa Fluor® 488 (top) or mouse IgG2a, κ Alexa Fluor® 488 isotype control (bottom). Data shown was gated on lymphocyte population.

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