

Alexa Fluor® 488 anti-human EOS Antibody

Catalog# / Size	397405 / 25 tests 397406 / 100 tests
Clone	W16032B
Regulatory Status	RUO
Other Names	Ikaros family zinc finger protein 4 (IKZF4), ZMFN1A4, KIAA1782
Isotype	Rat IgG2a, κ
Description	EOS also known as IKZF4 is an IKAROS Family Member expressed in lymphocytes, specifically in Tregs. It plays an important role in the inhibitory function of Tregs. It may be involved in the development of the central and peripheral nervous systems as well as lymphoid development.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Human EOS recombinant protein (271-520 a.a.)
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 and expiration, please enter the lot number in our Certificate of Analysis online tool.)
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. For flow cytometric staining, the suggested use of this reagent is 5 µL per 10 ⁶ cells in 100 µL volume. It is highly recommended that the reagent be titrated for optimal performance for each application. * Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm. 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	Clones W16032A and W16032B cross-block each other and likely recognize different epitopes.
RRID	AB_3716911 (BioLegend Cat. No. 397405) AB_3716911 (BioLegend Cat. No. 397406)

Antigen Details

Structure	IKAROS family member
Distribution	Lymphocytes, specifically in Tregs
Function	Essential for inhibitory function of Tregs
Interaction	Binds to 5'GGGAATGCC-3' Ikars-binding sequence

Antigen References

1. Honma Y, *et al.* 1999. *FEBS Lett.* 447:76-80.
2. Perdomo J, *et al.* 2000. *J. Biol. Chem.* 275:38347-54.
3. Westman BJ, *et al.* 2004. *Biochemistry.* 43:13318-27.
4. Pan F, *et al.* 2009. *Science.* 10.1126/science.1176077.

Gene ID [64375](#)

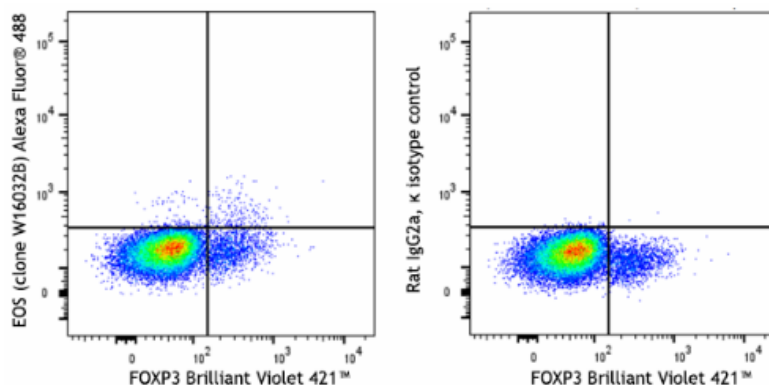
Related Protocols

- [True-Nuclear™ Transcription Factor Staining Protocol for 96-Well U Bottom Plate](#)
- [True-Nuclear™ Transcription Factor Staining Protocol for 5mL Tubes](#)

Other Formats

Alexa Fluor® 488 anti-human EOS Antibody, Purified anti-human EOS, APC anti-human EOS, TotalSeq™-B1566 anti-human EOS Antibody, PE anti-human EOS

Product Data



Human peripheral blood leukocytes were surface stained with anti-human CD4 (clone RPA-T4) APC and then fixed, permeabilized, and intracellularly stained with the True-Nuclear™ Transcription Factor Buffer Set (Cat. No. 424401). Cells were then stained with anti-human FOXP3 (clone 206D) Brilliant Violet 421™ and anti-human EOS (clone W16032B) Alexa Fluor® 488 (left) or rat IgG2a, κ Alexa Fluor® 488 isotype control (right). Data shown was gated on the CD4⁺ lymphocyte population.

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8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587