

APC anti-human EOS Antibody

Catalog# / Size	397409 / 25 tests 397410 / 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 transcription factor expressed in lymphocytes, particularly regulatory T cells. It plays a critical role in the inhibitory function of Tregs and may also be involved in central and peripheral nervous system and 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 APC 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 immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Red Laser (633 nm)
Application Notes	Clones W16032A and W16032B cross-block each other and likely recognize different epitopes.

Antigen Details

Structure	IKAROS family member
Distribution	Lymphocytes, specifically in Tregs
Function	Essential for inhibitory function of Tregs
Interaction	Binds to 5'GGGAATGCC-3' Ikaros-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](#)

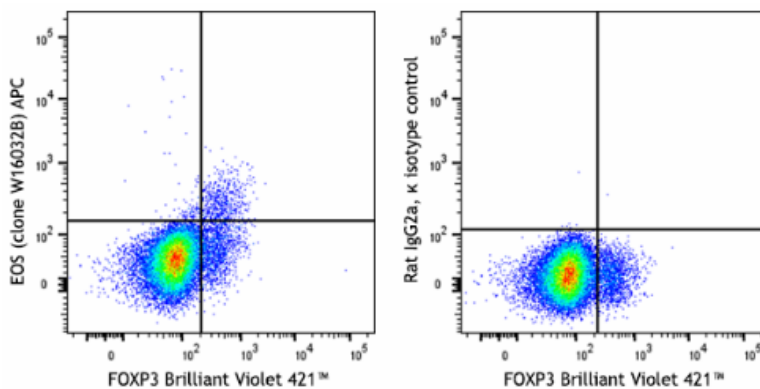
Related Protocols

- [Intracellular Flow Cytometry Staining Protocol](#)

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) Alexa Fluor® 700. Cells were then fixed and permeabilized with the True-Nuclear™ Transcription Factor Buffer Set (Cat. No. 424401) and intracellularly stained with anti-human FOXP3 (clone 206D) Brilliant Violet 421™ and anti-human EOS (clone W16032B) APC (left) or rat IgG2a, κ APC isotype control (right). Data shown was gated on the CD4⁺ lymphocyte population.

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