
Product Data Sheet

PE anti-human EOS

Catalog # / Size: 2587015 / 25 tests
2587020 / 100 tests

Clone: W16032B

Isotype: Rat IgG2a, κ

Immunogen: Human EOS recombinant protein (271-520 a.a.)

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA)

Concentration: Lot-specific

□ Human peripheral blood lymphocytes were surface stained with CD3 FITC and CD4 APC/Fire™ 750 and then treated with the True-Nuclear™ Transcription Factor Buffer Set. Cells were then stained with PE EOS (clone W16032B) (left) or rat IgG2a, κ isotype PE (right), and FOXP3 (clone 206D) Alexa Fluor® 647. Dot plots are gated on CD3+CD4+ cells.

Applications:

Applications: Intracellular Flow Cytometry

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 $\leq 0.5 \mu\text{g}$ per million cells in 100 μL volume. It is recommended that the reagent be titrated for optimal performance for each application.

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.

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.