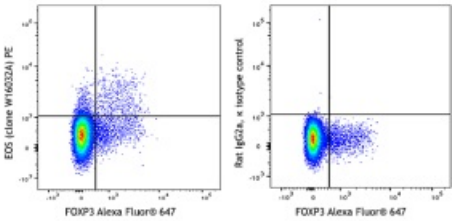
SONY

Product Data Sheet

PE anti-human EOS

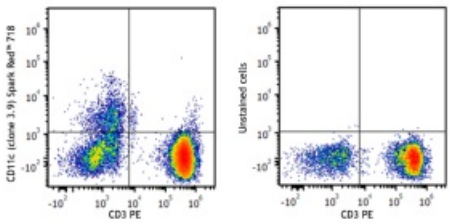
Catalog # / Size:	2596515 / 25 tests 2596520 / 100 tests
Clone:	W16032A
Isotype:	Rat IgG2a, κ
Immunogen:	Human EOS recombinant protein (271-520a.a)
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Workshop Number:	IV M-505
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 EOS PE (clone W16032A) (left) or rat IgG2a, κ PE isotype (right), and FOXP3 Alexa Fluor® 647. Cells shown are gated on $CD3^{+}CD4^{+}$ cells.

Applications:

Applications:	Intracellular Staining for Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by intracellular flow cytometry using True-Nuclear™ Transcription Factor Staining Protocol. For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes:	Clone A20153E can completely block binding of clone 4H9-CD7 and partially blocks binding of clone CD7-6B7 on target cells.



Human peripheral blood lymphocytes were stained with anti-human CD3 PE and anti-human CD11c (clone 3.9) Spark Red™ 387 (left) or stained with anti-human CD3 PE only (right).

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Application References:

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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(1):76-80.
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