SONY

Product Data Sheet

Alexa Fluor® 647 anti-mouse CD186 (CXCR6)

Catalog # / Size: 1355570 / 25 µg
1355575 / 100 µg

Clone: SA051D1

Isotype: Rat IgG2b, κ

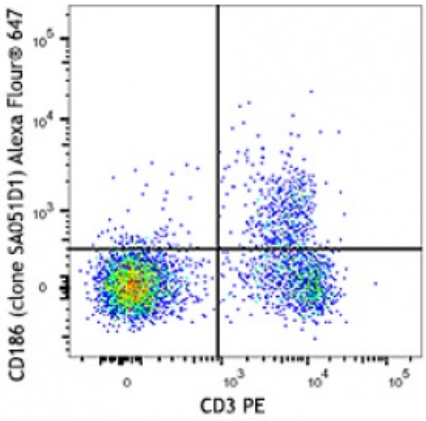
Immunogen: mCXCR6-transfectants

Reactivity: Mouse

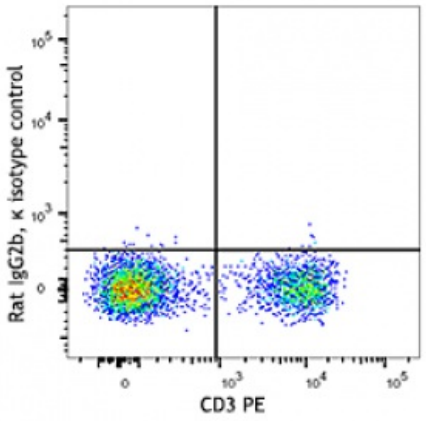
Preparation: The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 647.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml



C57BL/6 mouse splenocytes were stained with CD3 PE and CD186 (clone SA051D1) Alexa Flour® 647 (top) or rat IgG2b, ÃŽÂº Alexa Flour® 647 isotype control (bottom).



Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

Application References:
1. Kim CH, *et al.* 2001. *J. Clin. Invest.* 107:595.
2. Heesch K, *et al.* 2014. *PLoS One.* 9:5.
3. Wehr A, *et al.* 2013. *J. Immunol.* 190:5226.

Description: CD186, or CXCR6, is a 39 kD G-protein coupled chemokine receptor with seven transmembrane-spanning regions. Its ligand is CXCL16. It is expressed on different T cell subsets and is upregulated in activated T cells. Expression of CXCR6 is correlated with increased inflammatory responses and seems to contribute to liver fibrosis.

Antigen References:
1. Kim CH, *et al.* 2001. *J. Clin. Invest.* 107:595.
2. Heesch K, *et al.* 2014. *PLoS One.* 9:5.
3. Wehr A, *et al.* 2013. *J. Immunol.* 190:5226.

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