SONY

Product Data Sheet

Alexa Fluor® 647 anti-human CD186 (CXCR6)

Catalog # / Size: 2380040 / 100 tests
2380035 / 25 tests

Clone: K041E5

Isotype: Mouse IgG2a, κ

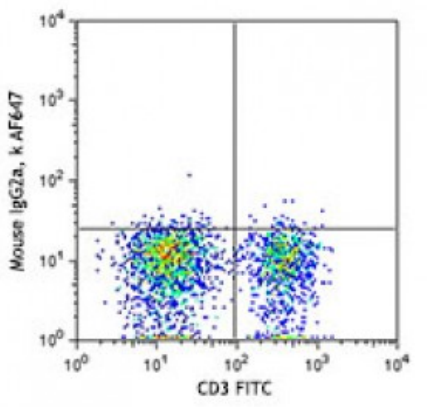
Immunogen: cDNA encoding human CXCR6

Reactivity: Human

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

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

Concentration: Lot-specific

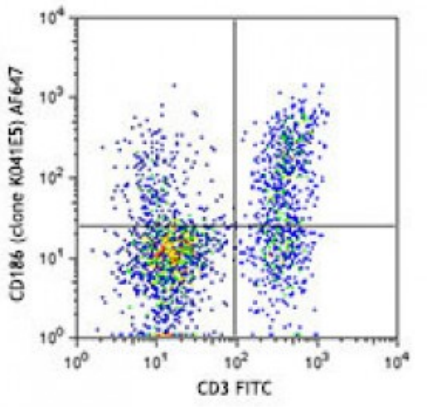


Applications:

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 5 microL per million cells or 5 microL per 100 microL of whole blood. 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.



Human peripheral blood mononuclear cells were stimulated with IL-2 for 9 days, and then stained with CD3 FITC and CD186 (clone K041E5) Alexa Fluor® 647 (top) or mouse IgG2a, κ Alexa Fluor® 647 isotype control (bottom).

Description: CD186, also known as CXCR6, is a 39 kD, G-protein coupled chemokine receptor, with seven transmembrane-spanning regions. CXCR6 is expressed on activated and memory T cells. Its ligand is the chemokine CXCL16. CXCR6 is involved in the recruitment of cells to inflamed sites and is also a coreceptor for HIV.

Antigen References:

1. Kim CH, *et al.* 2001. *J. Clin. Invest.* 107:595.
2. Nanki T, *et al.* 2005. *Arthritis Rheum.* 52:3004.
3. Van der Voort R, *et al.* 2005. *Arthritis Rheum.* 52:1381.
4. Aust G, *et al*

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