

**Alexa Fluor® 647 anti-human CD186 (CXCR6)**

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

**Clone:** K041E5

**Isotype:** Mouse IgG2a, κ

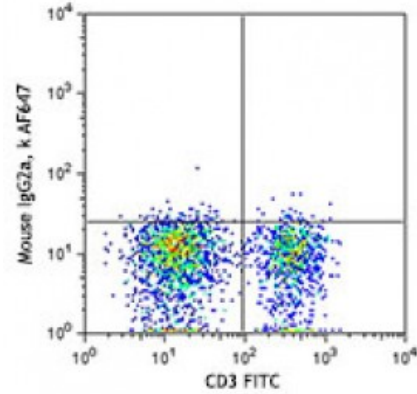
**Immunogen:** cDNA encoding human CXCR6

**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).

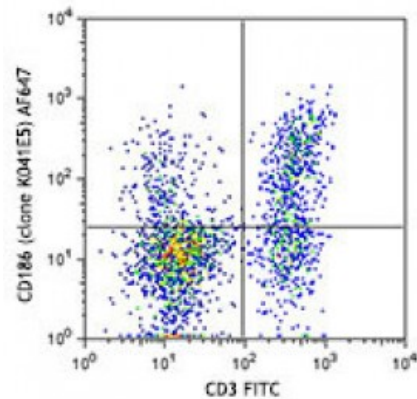
**Concentration:** Lot-specific



**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*