SONY

Product Data Sheet

PerCP/Cyanine5.5 anti-human CD186 (CXCR6)

Catalog # / Size: 2380045 / 25 tests
2380050 / 100 tests

Clone: K041E5

Isotype: Mouse IgG2a, κ

Immunogen: cDNA encoding human CXCR6

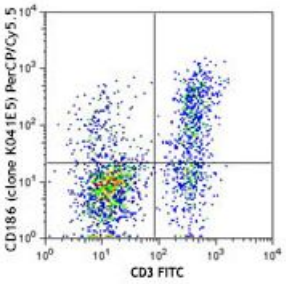
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions.

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

Workshop Number: V NK57

Concentration: Lot-specific

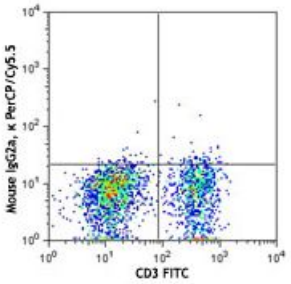


Human peripheral blood mononuclear cells were stimulated with IL-2 for 9 days, and then stained with CD3 FITC and CD186 (clone K041E5) PerCP/Cy5.5 (top) or mouse IgG2a, κPerCP/Cy5.5 isotype control (bottom).

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 5 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



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.* 2005. *Eur. J. Endocrinol.* 152:635.
5. Agostini C, *et al.* 2005. *Am. J. Respir. Crit. Care Med.* 172:1290.
6. Gaida MM, *et al.* 2008. *Clin. Exp. Immunol.* 154:216.
7. Huang Y, *et al.* 2008. *J. Immunol.* 180:2367.

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