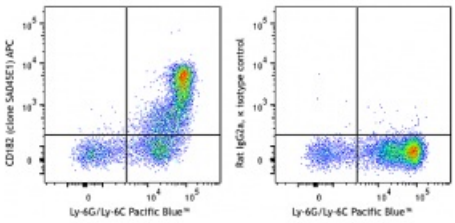
SONY

Product Data Sheet

APC anti-mouse CD182 (CXCR2)

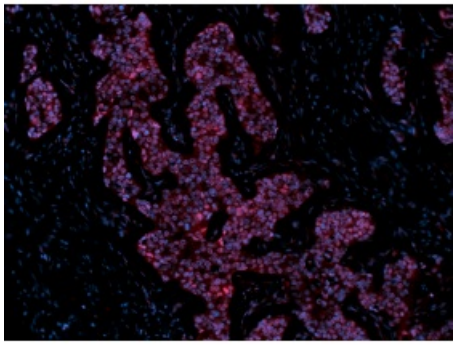
Catalog # / Size:	1348070 / 100 µg 1348065 / 25 µg
Clone:	SA045E1
Isotype:	Rat IgG2a, κ
Immunogen:	Mouse CXCR2-transfected cells.
Reactivity:	Mouse
Preparation:	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Workshop Number:	V-CD28.05
Concentration:	0.2 mg/mL



C57BL/6 mouse bone marrow cells were stained with Ly-6G/Ly-6C Pacific Blue™ and CD182 (CXCR2) (clone SA045E1) APC (left) or rat IgG2a, κ APC isotype ctrl (right).

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.
Application Notes:	Additional reported applications (for the relevant formats) include: Western blotting[1] and immunofluorescence[1].



Bend.3 mouse endothelial cells were stained with CD63 (clone NVG-2) FITC (filled histogram) or rat IgG2a, κ FITC isotype control (open histogram).

Application References:

1. Verjan Garcia N, *et al.* 2011. *J. Immunol.* 187:2268. (WB, IF)

Description: CD182, also known as CXCR2, is a G-protein coupled receptor with seven transmembrane regions that is involved in chemotaxis, neutrophil activation, and angiogenesis. CXCR2 is expressed by neutrophils, basophils, a subset of T cells, monocytes, macrophages, natural killer (NK) and natural killer T cells (NKT). Its ligands are CXCL1, CXCL2, CXCL3, and CXCL5.

Antigen References:
1. Spaan AN, *et al.* 2014. *Nat. Commun.* 5:5438.
2. Natsuaki Y, *et al.* 2014. *Nat. Immunol.* 15:1064.
3. Hsieh CY, *et al.* 2014. *J. Immunol.* 193:3693.
4. Diana J and Lehuen A. 2014. *EMBO Mol. Med.* 6:1090.
5. Stoolman JS, *et al.* 2014. *J. Immunol.* 193:564.