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# Product Data Sheet

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## APC/Fire™ 810 anti-human CD185 (CXCR5)

**Catalog # / Size:** 2384780 / 100 tests  
2384775 / 25 tests

**Clone:** J252D4

**Isotype:** Mouse IgG1, κ

**Immunogen:** Human CXCR5-transfected cells

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 810 under optimal conditions.

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

**Workshop Number:** HCDM listed

**Concentration:** Lot-specific

□ Human peripheral blood lymphocytes were stained with anti-human CD19 FITC and anti-human CD185 (CXCR5) (clone J252D4) APC/Fire™ 810 (left) or mouse IgG1, κ APC/Fire™ 810 isotype control (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 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

\* APC/Fire™ 810 has a maximum excitation of 650 nm and a maximum emission of 810 nm.

**Application Notes:** Additional reported applications (for the relevant formats) include: Western blotting<sup>1</sup>, immunofluorescence<sup>2</sup>, and immunoprecipitation<sup>1</sup>.

**Application References:** 1. Hildreth JE, *et al.* 1991. *Blood* 77:121. (IP, WB)  
2. Beatty WL, *et al.* 2006. *J. Cell Sci.* 119:350. (IF)

□ HLA-A2 negative human peripheral blood lymphocytes were stained with anti-human HLA-A2 (clone BB7.2) PE/Dazzle™ 594 (filled histogram) or mouse IgG2b, κ PE/Dazzle™ 594 isotype control (open histogram).

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**Description:** CD185, also known as CXCR5, is a 42 kD G-protein coupled receptor with seven transmembrane regions. CXCR5 is expressed by mature B cells, follicular helper T cells, Burkitt's lymphoma cells and a subset of neurons, and mediates cell migration to the B cell follicles in the secondary lymphoid organs. The ligand of CXCR5 is CXCL13 (BLC).

- Antigen**
- References:**
1. Ma CS, *et al.* 2012. *J. Exp. Med.* 209:1241.
  2. León B, *et al.* 2012. *Nat. Immunol.* 13:681.
  3. Crotty S. 2011. *Annu. Rev. Immunol.* 29:621.
  4. Kerfoot SM, *et al.* 2011. *Immunity* 34:947.
  5. Sáez de Guinoa J, *et al.* 2011. *Blood* 118:1560.