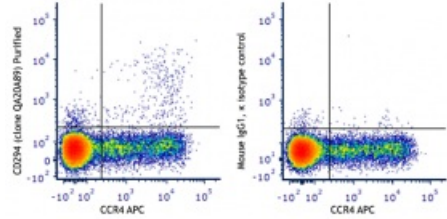


**Purified anti-human CD294 (CRTH2) Recombinant**

**Catalog # / Size:** 2499010 / 100 µg  
**Clone:** QA20A89  
**Isotype:** Mouse IgG1, κ  
**Reactivity:** Human  
**Preparation:** The antibody was purified by affinity chromatography.  
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide  
**Concentration:** 0.5



Human peripheral blood lymphocytes were stained with purified anti-human CD294 (CRTH2) recombinant (clone QA20A89) (left) or purified mouse IgG1, κ isotype control (right), followed by PE anti-mouse IgG1, then anti-human CD4 Pacific Blue™ and anti-human CCR4 APC. Data shown was gated on the CD4+ population.

**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 ≤ 1.0 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Description:** CD294, also known as CRTH2, is a seven-transmembrane protein coupled with heterotrimeric G proteins. CRTH2 is the prostaglandin D2 receptor and is expressed by Th2 cells, eosinophils, and basophils. CD294 prevents the apoptosis of Th2 cells and mediates the chemotaxis of CRTH2 expressing cells to the sites of allergic inflammation, such as the asthmatic lung.

- Antigen References:**
1. Luster AD and Tager AM. 2004. *Nat Rev Immunol.* 4:711-24.
  2. Monneret G, et al. 2001. *Blood.* 98:1942-8.
  3. Xue L, et al. 2009. *J Immunol.* 182:7580-6.
  4. Schratl P, et al. 2007. *J Immunol.* 179:4792-9.