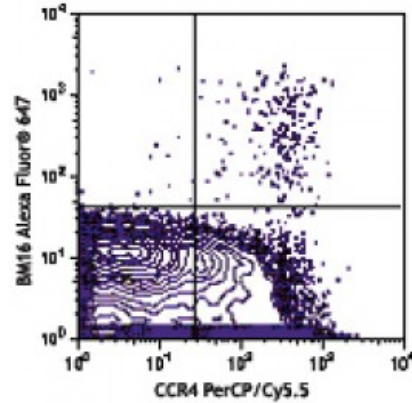


Purified anti-human CD294 (CRTH2)

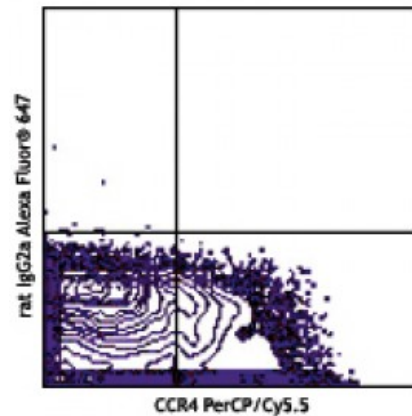
Catalog # / Size: 2350510 / 100 µg
Clone: BM16
Isotype: Rat IgG2a, κ
Immunogen: Rat cell line TART/B19-12.10 transfected with human CRTH2
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5



Human peripheral blood lymphocytes stained with CCR4 PerCP/Cy5.5 and purified BM16 conjugated with Alexa Fluor® 647 (top) or rat IgG2a Alexa Fluor® 647 isotype control (bottom) (gated on CD4+ lymphocyte 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 ≤0.5 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes: This product is sold under license agreement with BML, Inc for research use only.



- Application References:**
1. Nagata K, *et al.* 1999. *J. Immunol.* 162:1278. (FC)
 2. De Fanis U, *et al.* 2007. *Blood* 109:4343. (FC)
 3. Tsuda H, *et al.* 2001. *Clin. Exp. Immunol.* 123:105. (FC)
 4. Hamada K, *et al.* 2004. *Allergology International* 53:179. (FC)

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.
 2. Monneret G, *et al.* 2001. *Blood* 98:1942.
 3. Xue L, *et al.* 2009. *J. Immunol.* 182:7580.
 4. Schratl P, *et al.* 2007. *J. Immunol.* 179:4792.

