

## Purified Anti-Human CD294 Antibody[BM16]

catalog number: AN011310P

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

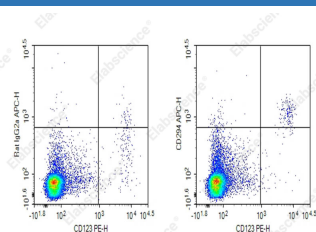
|                     |                                                                                                                                                 |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>   | Human                                                                                                                                           |
| <b>Immunogen</b>    | Recombinant Human CD294 protein                                                                                                                 |
| <b>Host</b>         | Rat                                                                                                                                             |
| <b>Isotype</b>      | Rat IgG2a, $\kappa$                                                                                                                             |
| <b>Clone</b>        | BM16                                                                                                                                            |
| <b>Purification</b> | >98%, Protein A/G purified                                                                                                                      |
| <b>Conjugation</b>  | Unconjugated                                                                                                                                    |
| <b>Buffer</b>       | Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer.<br>Dialyze to completely remove the stabilizer prior to labeling. |

### Applications

### Recommended Dilution

**FCM**  $\leq 0.2 \mu\text{g}$  per million cells in 100  $\mu\text{L}$  volume

### Data



Human peripheral blood lymphocytes were stained with 0.2  $\mu\text{g}$  Purified Anti-Human CD294 Antibody[BM16] (Right) and 0.2  $\mu\text{g}$  Rat IgG2a,  $\kappa$  Isotype Control (Left), followed by APC-conjugated Goat Anti-Rat IgG Secondary Antibody, then anti-Human CD123 PE-conjugated Monoclonal Antibody.

### Preparation & Storage

|                 |                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. |
| <b>Shipping</b> | Ice bag                                                                                            |

### Background

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.

### For Research Use Only

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