

## FITC Anti-Human/Monkey CD196/CCR6 Antibody[G034E3]

Catalog Number: E-AB-F1158C

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

### Description

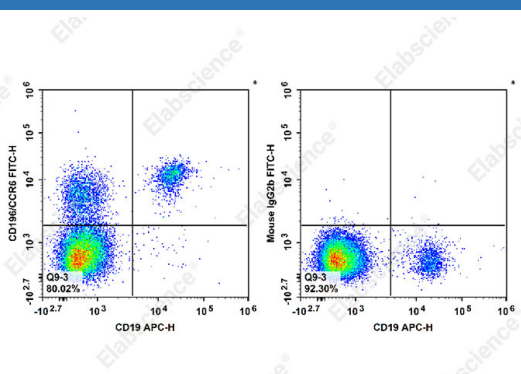
<b>Reactivity</b>	Human;Rhesus
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG2b, κ
<b>Clone No.</b>	G034E3
<b>Isotype Control</b>	FITC Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09812C]
<b>Conjugation</b>	FITC
<b>Conjugation Information</b>	FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### Applications

### Recommended usage

<b>FCM</b>	Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
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### Data



Human peripheral blood lymphocytes are stained with APC Anti-Human CD19 Antibody and FITC Anti-Human/Monkey CD196/CCR6 Antibody[G034E3] (Left). Lymphocytes are stained with APC Anti-Human CD19 Antibody and FITC Mouse IgG2b, κ Isotype Control (Right).

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	CMKBR6;GPR29;STRL22;CKRL3;GPRCY4;CCR6
<b>Uniprot ID</b>	P51684
<b>Gene ID</b>	1235

### For Research Use Only

## Background

CCR6, also known as CD196/CCR6, is a chemokine receptor that is expressed on immature dendritic cells, B lymphocytes, and memory T cells. CCR6 binds CCL20, although members of the  $\beta$  defensin family also bind CCR6 with a lower affinity. CCR6 positive cells, and its ligand CCL20, have been detected in numerous organs, especially the secondary lymphoid organ. CCL20 is selectively made by the follicle-associated epithelium (FAE) overlying Peyer's Patches (PPs) and isolated lymphoid follicles (ILFs). CCL20 contributes to the recruitment of CCR6-expressing B cells to these structures. In humans, CCR6 can function to mediate arrest of T cells on dermal endothelial cells and is highly expressed on T cells resident in both normal and psoriatic skin. CCR6 and/or CCL20 have been implicated in the pathogenesis of rheumatoid arthritis and inflammatory bowel disease. Human T cells that are able to produce IL-17 express CCR6. It suggests that CCL20 and CCR6 have a role in inflammatory diseases by recruiting Th17 cells to target tissues.