

# ABflo® 594 Rabbit anti-Human/Monkey CD197/CCR7 mAb

Catalog No.: A27683

## Basic Information

### Observed MW

**Calculated MW**  
43kDa

**Category**  
Primary antibody

**Applications**  
FC

**Cross-Reactivity**  
Human, Cynomolgus

**CloneNo number**  
ARC64945

**Conjugate**  
ABflo® 594. Ex:588nm. Em:604nm.

## Recommended Dilutions

**FC** 5 µl per 10<sup>6</sup> cells in  
100 µl volume

## Background

The protein encoded by this gene is a member of the G protein-coupled receptor family. This receptor was identified as a gene induced by the Epstein-Barr virus (EBV), and is thought to be a mediator of EBV effects on B lymphocytes. This receptor is expressed in various lymphoid tissues and activates B and T lymphocytes. It has been shown to control the migration of memory T cells to inflamed tissues, as well as stimulate dendritic cell maturation. The chemokine (C-C motif) ligand 19 (CCL19/ECL) has been reported to be a specific ligand of this receptor. Signals mediated by this receptor regulate T cell homeostasis in lymph nodes, and may also function in the activation and polarization of T cells, and in chronic inflammation pathogenesis. Alternative splicing of this gene results in multiple transcript variants.

## Immunogen Information

Gene ID	Swiss Prot
Hu 1236 Cyon 102137559	P32248

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

BLR2; EBI1; CCR-7; CD197; CDw197; CMKBR7; CC-CKR-7

## Contact

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## Product Information

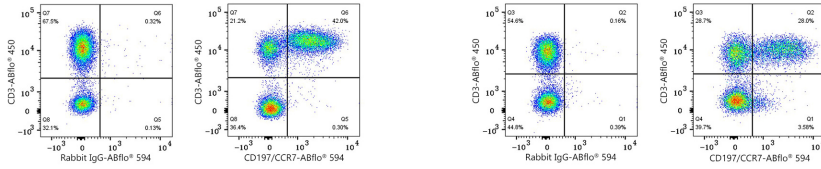
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



Flow cytometry: 1X10<sup>6</sup> Cynomolgus peripheral blood mononuclear cells were surface-stained with ABflo® 450 Rabbit anti-Human/Monkey CD3 mAb (A27177, 5 µl/Test) and ABflo® 594 Rabbit IgG isotype control (A23821, 5 µl/Test, left) or ABflo® 594 Rabbit anti-Human/Monkey CD197/CCR7 mAb (A27683, 5 µl/Test, right). Cells in the lymphocyte gate were used for analysis.

Flow cytometry: 1X10<sup>6</sup> Human PBMC were surface-stained with ABflo® 450 Rabbit anti-Human/Monkey CD3 mAb (A27177, 5 µl/Test) and ABflo® 594 Rabbit IgG isotype control (A23821, 5 µl/Test, left) or ABflo® 594 Rabbit anti-Human/Monkey CD197/CCR7 mAb (A27683, 5 µl/Test, right). Cells in the lymphocyte gate were used for analysis.