

## APC Anti-Human CD244 Antibody[C1.7]

Catalog Number: GFH1374E

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

### Description

|                         |                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                      |
| Host                    | Mouse                                                                                                                                                      |
| Isotype                 | Mouse IgG1, κ                                                                                                                                              |
| Clone No.               | C1.7                                                                                                                                                       |
| Isotype Control         | APC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792E]                                                                                          |
| Conjugation             | APC                                                                                                                                                        |
| Conjugation Information | APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                        |

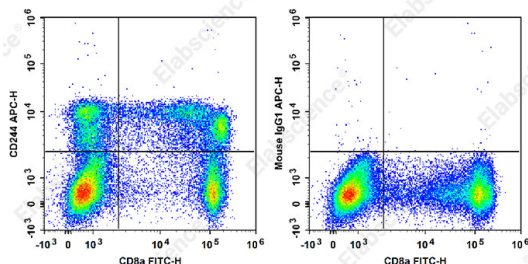
### Applications

### Recommended usage

#### FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. **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).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data



Staining of normal human peripheral blood cells with FITC Anti-Human CD8a Antibody and APC Anti-Human CD244 Antibody[C1.7] (left) or APC Mouse IgG1, κ Isotype Control (right). Cells in the lymphocytes gate were used for analysis.

### Preparation & Storage

|          |                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| Shipping | Ice bag                                                                                                                                                   |

### Antigen Information

|            |        |
|------------|--------|
| Uniprot ID | Q9BZW8 |
| Gene ID    | 51744  |

### For Research Use Only

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Rev. V1.3

## Background

CD244, known as 2B4, is a 38 kD type I transmembrane protein. It is a member of the CD2 subset of the immunoglobulin superfamily (IgSF) molecules. CD244 is expressed on NK cells, a subset of T cells (including most CD8+ T cells and  $\gamma\delta$  T cells), monocytes, basophils, and eosinophils. CD48 is the ligand of CD244. It has been reported that ligation of human CD244 results in enhanced NK cell cytotoxicity and cytokine production. Recent studies have shown that human CD244, like murine CD244, has both activating and inhibitory functions, which are dependent on the density of surface 2B4 expression, degree of ligation, and the level of the adaptor molecule SAP expression.