

## FITC Anti-Human CD86 Antibody[IT2.2]

Catalog Number: GFH1269C

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

### Description

|                         |                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                    |
| Host                    | Mouse                                                                                                                                                    |
| Isotype                 | Mouse IgG2b, κ                                                                                                                                           |
| Clone No.               | IT2.2                                                                                                                                                    |
| Isotype Control         | FITC Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09812C]                                                                                       |
| Conjugation             | FITC                                                                                                                                                     |
| Conjugation Information | 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). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                      |

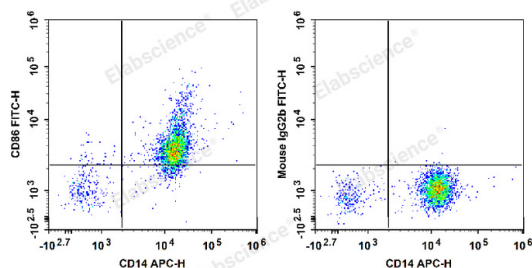
### Applications

### 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 Anti-Human CD14 FITC and Anti-Human CD86 FITC (left) or Mouse IgG2b, κ Isotype Control FITC (right). Cells in the monocyte 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

|                 |                                                                                                                                                                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternate Names | Activation B7-2 antigen;B7-2;B7.2;B70;BU63;CD28LG;CD28LG2;CD86;CTLA-4 Counter-Receptor B;CTLA-4 Counter-Receptor B7.2;ETC;ETC-1;Early T-cell costimulatory molecule;Early T-cell costimulatory molecule 1;FUN;FUN-1;LAB;LAB72;T-lymphocyte activation antigen C |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### For Research Use Only

**Uniprot ID**

P42081

**Gene ID**

942

**Background**

CD86 is an 80 kD immunoglobulin superfamily member also known as B7-2, B70, and Ly-58. CD86 is expressed on activated B and T cells, monocytes/macrophages, dendritic cells, and astrocytes. CD86, along with CD80, is the ligand of CD28 and CD152 (CTLA-4). CD86 is expressed earlier in the immune response than CD80. CD86 has also been shown to be involved in immunoglobulin class-switching and triggering of NK cell-mediated cytotoxicity. CD86 binds to CD28 to transduce costimulatory signals for T cell activation, proliferation, and cytokine production. CD86 can bind to CD152 as well, also known as CTLA-4, to deliver an inhibitory signal to T cells.