

## PE/Cyanine5.5 Anti-Mouse CD86 Antibody[GL-1]

Catalog Number: GFH0994I

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

### Description

|                         |                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                        |
| Host                    | Rat                                                                                                                                                                                                          |
| Isotype                 | Rat IgG2a, $\kappa$                                                                                                                                                                                          |
| Clone No.               | GL-1                                                                                                                                                                                                         |
| Isotype Control         | PE/Cyanine5.5 Rat IgG2a, $\kappa$ Isotype Control[2A3] [Product E-AB-F09832I]                                                                                                                                |
| Conjugation             | PE/Cyanine 5.5                                                                                                                                                                                               |
| Conjugation Information | PE/Cyanine5.5 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 690 nm (e.g., a 690/50 nm bandpass filter). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                                                                          |

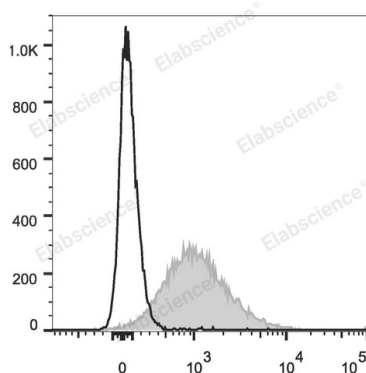
### Applications

FCM

### Recommended usage

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

### Data



C57BL/6 murine splenocytes are stained with PE/Cyanine5.5 Anti-Mouse CD86 Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

### 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;Cd86;ETC-1;Early T-cell costimulatory molecule 1;T-lymphocyte activation antigen CD86 |
| Gene ID         | 12524                                                                                                         |

### For Research Use Only

## 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, macrophages, dendritic cells, and astrocytes. CD86, along with CD80, is a 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 co-stimulatory signals for T cell activation, proliferation, and cytokine production. CD86 can also bind to CD152, also known as CTLA-4, to deliver an inhibitory signal to T cells.