

## Elab Bright™ Violet 510 Anti-Mouse CD86 Antibody[GL-1]

**Catalog Number:** E-AB-F0994R1

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

### Description

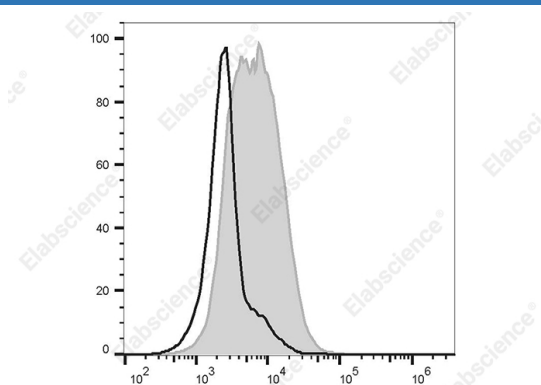
|                                |                                                                                                                                                                               |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>              | Mouse                                                                                                                                                                         |
| <b>Host</b>                    | Rat                                                                                                                                                                           |
| <b>Isotype</b>                 | Rat IgG2a, $\kappa$                                                                                                                                                           |
| <b>Clone No.</b>               | GL-1                                                                                                                                                                          |
| <b>Isotype Control</b>         | Elab Bright™ Violet 510 Rat IgG2a, $\kappa$ Isotype Control[R35-95] [Product AN00822R1]                                                                                       |
| <b>Conjugation</b>             | Elab Bright™ Violet 510                                                                                                                                                       |
| <b>Conjugation Information</b> | Elab Bright™ Violet 510 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 510 nm (e.g., a 525/50 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 <math>\mu</math>L of antibody per test (million cells in 100 <math>\mu</math>L staining volume or per 100 <math>\mu</math>L 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



LPS-stimulated (3 days) C57BL/6 murine splenocytes are stained with Elab Bright™ Violet 510 Anti-Mouse CD86 Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

### Preparation & Storage

|                 |                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Keep as concentrated solution.<br>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

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|------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Alternate Names</b> | T-lymphocyte activation antigen CD86;Cd86;Activation B7-2 antigen;Early T-cell costimulatory molecule 1;ETC-1 |
| <b>Uniprot ID</b>      | P42082                                                                                                        |
| <b>Gene ID</b>         | 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.