

## Elab Fluor® Violet 450 Anti-Human Granzyme B Antibody[QA18A28]

Catalog Number: AN00961Q

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

### Description

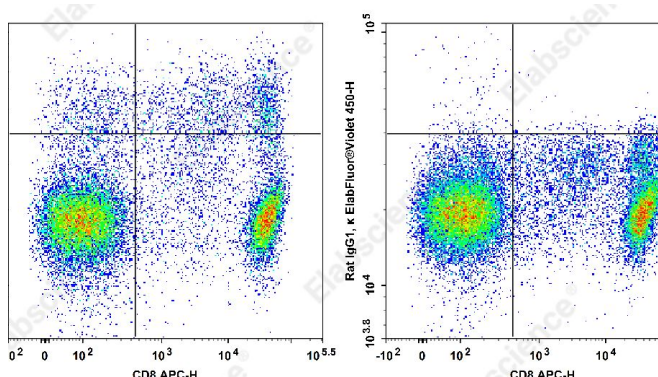
|                         |                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                        |
| Host                    | Rat                                                                                                                                                                          |
| Isotype                 | Rat IgG1, κ                                                                                                                                                                  |
| Clone No.               | QA18A28                                                                                                                                                                      |
| Isotype Control         | Elab Fluor® Violet 450 Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09822Q]                                                                                              |
| Conjugation             | Elab Fluor® Violet 450                                                                                                                                                       |
| Conjugation Information | Elab Fluor® Violet 450 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.                                                                                                            |

### Applications

### Recommended usage

|     |                                                                                                                                                                                                                                                                                                                                                                                     |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FCM | 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 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).</b> 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 mononuclear cells with APC Anti-Human CD8 Antibody and intracellularly stained with Elab Fluor® Violet 450 Anti-Human/Mouse Granzyme B Antibody[QA18A28] (left) or Elab Fluor® Violet 450 Rat IgG1, κ Isotype Control (right).

### Preparation & Storage

|          |                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage  | 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. |
| Shipping | Ice bag                                                                                                                                                   |

### Antigen Information

|                 |                                                                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternate Names | Granzyme 2;cytotoxic T-lymphocyte-associated serine esterase 1;GZMB;CCP1;Asp-aseGranzyme 2;cytotoxic T-lymphocyte-associated serine esterase 1;GZMB;CCP1;Asp-ase |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### For Research Use Only

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Rev. V1.2

**Uniprot ID**

O95155

**Gene ID**

3002

**Background**

Granzyme B is a 32 kD serine protease, also known as granzyme-2, serine protease B, CCP1, Asp-ase, and CTLA-1. Granzyme B is abundantly stored in the granules of cytotoxic T lymphocytes and NK cells. Low level of expression has been reported in granulocytes, B cells, and activated dendritic cells. Granzyme B is crucial for rapid induction of cell death and apoptosis through interaction with mannose-6-phosphate receptor.

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