

## Elab Fluor® 700 Anti-Mouse Perforin Antibody[S16009A]

**Catalog Number:** E-AB-F1294UM1

**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>	S16009A
<b>Isotype Control</b>	Elab Fluor® 700 Rat IgG2a, $\kappa$ Isotype Control[2A3] [Product E-AB-F09833M1]
<b>Conjugation</b>	Elab Fluor® 700
<b>Conjugation Information</b>	Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

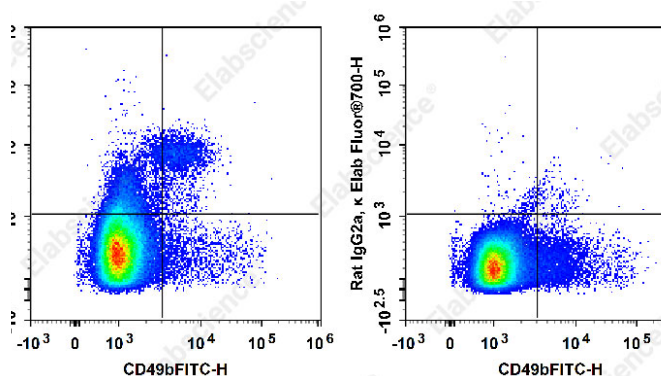
### Applications

### Recommended usage

#### FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1  $\mu\text{g}/10^6$  cells in 100  $\mu\text{L}$  volume].

### Data



Intracellular staining of C57BL/6 murine splenocytes with FITC Anti-Mouse CD49b/pan-NK cells Antibody[DX5] and

Elab Fluor® 700 Anti-Mouse Perforin Antibody[S16009A] (left) or Elab Fluor® 700 Rat IgG2a,  $\kappa$  Isotype Control(right). Total viable cells were used for analysis.

### Preparation & Storage

#### Storage

Keep as concentrated solution.

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

Pfn;Pfn-1;Pfp;Cytolysin;Lymphocyte pore-forming protein;Prf1

#### Uniprot ID

P10820

### For Research Use Only

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Rev. V1.7

**Gene ID**

18646

**Background**

Perforin is a 70 kD cytolytic protein that is expressed in the cytoplasmic granules of cytotoxic T lymphocytes (CTLs) and natural killer (NK) cells. Perforin is one of the major effector molecules used by cytotoxic T cells and NK cells to mediate targeted cell lysis.