

## Elab Fluor® 700 Anti-Mouse CD1d Antibody[19G11]

Catalog Number: E-AB-F1032M1

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

### Description

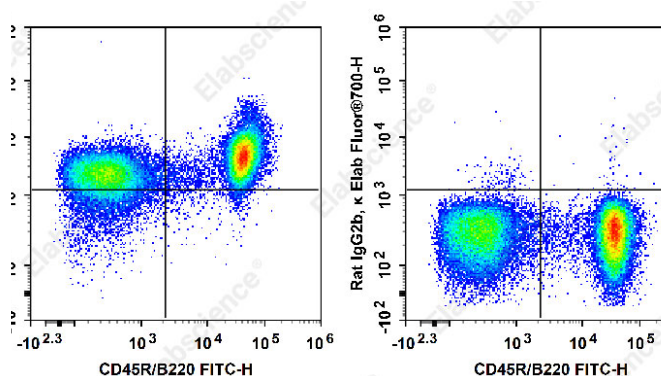
Reactivity	Mouse
Host	Rat
Isotype	Rat IgG2b, $\kappa$
Clone No.	19G11
Isotype Control	Elab Fluor® 700 Rat IgG2b, $\kappa$ Isotype Control[LTF-2] [Product E-AB-F09842M1]
Conjugation	Elab Fluor® 700
Conjugation Information	Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).
Storage Buffer	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. <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



Staining of C57BL/6 murine splenocytes with FITC Anti-Mouse CD45R/B220 Antibody[RA3.3A 1/6.1] and Elab Fluor® 700 Anti-Mouse CD1d Antibody[19G11](left) or Elab Fluor® 700 Rat IgG2b,  $\kappa$  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	Antigen-presenting glycoprotein CD1d1;CD1d.1;Cd1.1;Cd1d1
Uniprot ID	P11609

### For Research Use Only

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Rev. V1.7

**Gene ID**

12479

**Background**

CD1d is a type I transmembrane protein and member of the MHC family, with a molecular weight ranging from 43-49 kD, depending on the glycosylation degree. CD1d is expressed by antigen presenting cells such as dendritic cells, monocytes, macrophages and B cells; also expressed by thymocytes and intestinal epithelial cells. CD1d present glycolipids to iNKT cells that recognize them by their Vα14i TCR.