# **Elabscience**®

## Elab Fluor<sup>®</sup> 647 Anti-Human CD39 Antibody[A1]

Catalog No.E-AB-F1165MStorageStore at 2~8°C, Avoid freeze / thaw cycles

ReactivityHumanApplicationsFCM

ications FCM

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

#### **Antigen Information**

Alternate Names	SPG64,NTPDase1,ATPDase,CD 39
Uniprot ID	P49961
Background	Human CD39 is an integral membrane protein with two transmembrane domains. It exists as a homotetramer. Expression of CD39 is found on activated lymphocytes, a subset of T cells and B cells, and dendritic cells with weak staining on monocytes and granulocytes. CD39 and CD73 have been found on regulatory T cells, specifically the effector/memory like T cells. CD39 can hydrolyze both nucleoside triphosphates and diphosphates. CD39 is the dominant ecto nucleotidase of vascular and placental trophoblastic tissues and appears to modulate the functional expression of type 2 purinergic (P2) G protein coupled receptors (GPCRs). CD39 has intrinsic ecto-ATPase activity. Expression of CD39 is induced on T cells and increased on B cells as a late activation antigen. Product Details

#### **Product Details**

Form	Liquid
Size	20Tests/100Tests/100Tests×2
Clone No.	A1
Host	Mouse
Isotype	Mouse IgG1, ĸ
Reactivity	Human
Application	FCM
Isotype Control	Elab Fluor <sup>®</sup> 647 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M]
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
Shipping	Biological ice pack at 4 °C
Stability & Storage	Keep as concentrated solution.
	Store at 2~8°C and protected from prolonged exposure to light.Do not freeze.
	This product is guaranteed up to one year from purchase.

**For Research Use Only** 

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### Fluorophore

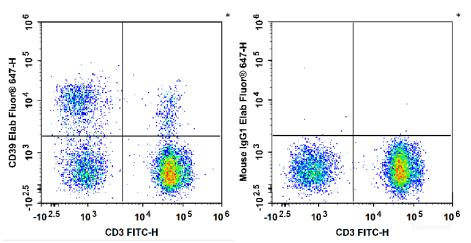
#### **Conjugation:** Elab Fluor<sup>®</sup> 647

Elab Fluor<sup>®</sup> 647 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).

#### **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.

### **Product data**



Human peripheral blood lymphocytes are stained with FITC Anti-Human CD3 Antibody and Elab Fluor<sup>®</sup> 647 Anti-Human CD39 Antibody (Left). Lymphocytes are stained with FITC Anti-Human CD3 Antibody and Elab Fluor<sup>®</sup> 647 Mouse IgG1, κ Isotype Control (Right).

### **Related Information**

- 1. Sample Preparation for Flow Cytometry https://www.elabscience.com/List-detail-5594.html
- 2. Staining Cell Surface Targets for Flow Cytometry <u>https://www.elabscience.com/List-detail-5568.html</u>
- 3. Flow Cytometry Troubleshooting Tips <u>https://www.elabscience.com/List-detail-5593.html</u>

4. How to select the appropriate detection channel through the spectrogram? <u>https://www.elabscience.com/List-detail-459742.html</u>