Elab Fluor® Violet 450 Anti-Mouse CD8a Antibody[YTS169.4]

Catalog Number: GFH00408Q

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

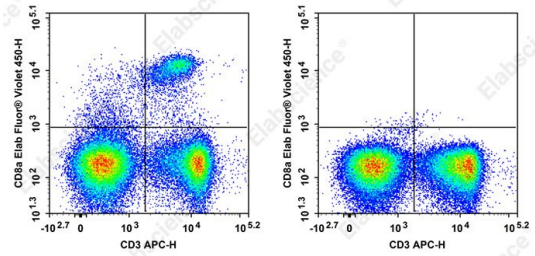
Description

Reactivity	Mouse
Host	Rat
Isotype	Rat IgG2b, λ
Clone No.	YTS169.4
Isotype Control	Elab Fluor® Violet 450 Rat IgG2b, λ Isotype Control[G013B8] [Product AN00565Q]
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% sodium azide.

Applications — Recommended usage

FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. **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).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



C57BL/6 mouse splenocytes were stained with CD3 APC and CD8 (clone YTS169.4)Elab Fluor® Violet 450 (left) or IgG2b, λ Elab Fluor® Violet 450 isotype control (right).

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	T8;Lyt2;Ly-2;CD8a;CD8;CD8抗体;CD8流式抗体;小鼠CD8;小鼠CD8抗体;小鼠CD8流式抗体;GFH00408
Uniprot ID	P01731
Gene ID	12525

Background

CD8, also known as Lyt-2, Ly-2, or T8, consists of disulfide-linked α and β chains that form the α(CD8a)/β(CD8b) heterodimer and α/α homodimer. CD8a is a 34 kD protein that belongs to the immunoglobulin family. The CD8 α/β heterodimer is expressed on the surface of most thymocytes and a subset of mature TCR α/β T cells. CD8 expression on mature T cells is non-overlapping with CD4. The CD8 α/α homodimer is expressed on a subset of γ/δ TCR-bearing T cells, NK cells, intestinal intraepithelial lymphocytes, and lymphoid dendritic cells. CD8 is an antigen co-receptor on T cells that interacts with MHC class I on antigen-presenting cells or epithelial cells. CD8 promotes T cell activation through its association with the TCR complex and protein tyrosine kinase lck.