

Purified Anti-Mouse CD8a Antibody[YTS 105.18]

Catalog Number: GF003310P

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

Description

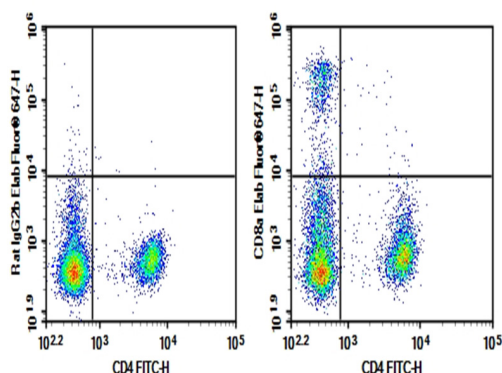
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|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity | Mouse |
| Immunogen | Recombinant Mouse CD8a protein |
| Host | Rat |
| Isotype | Rat IgG2b, κ |
| Clone | YTS 105.18 |
| Purification | >98%, Protein A/G purified |
| Conjugation | Unconjugated |
| Buffer | Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling. |

Applications

Recommended Dilution

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|-----|-----------------------------------------------------------------|
| FCM | 2 $\mu\text{g/mL}$ (0.5×10^6 - 1×10^6 cells) |
|-----|-----------------------------------------------------------------|

Data



C57/BL6 Mouse splenocytes were stained with 0.2 μg Purified Anti-Mouse CD8a Antibody[YTS 105.18] (Right) and 0.2 μg Rat IgG2b, κ Isotype Control (Left), followed by Elab

Fluor® 647-conjugated Goat Anti-Rat IgG Secondary Antibody, then anti-Mouse CD4 PE-conjugated Monoclonal Antibody.

Preparation & Storage

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|----------|----------------------------------------------------------------------------------------------------|
| Storage | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. |
| Shipping | Ice bag |

Background

CD8, also known as Ly-2, is a heterodimeric glycoprotein consisting of an alpha and beta chain. It is expressed on cytolytic T cells and functions in conjunction with the T cell receptor in the recognition of MHC/peptide complexes. Mouse CD8 (containing an alpha /Ly-2 or alpha /Lyt-2 chain) is an antigen co-receptor on the T cell surface which interacts with MHC I molecules on antigen presenting cells.