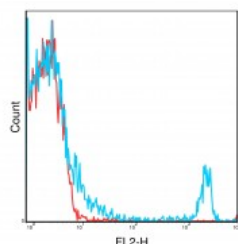




CD8a Antibody [2.43] (PE)

CATALOG NUMBER: 76-652



C57Bl/6 splenonocytes were stained with PE 2.43 and the corresponding isotype controls are in red.

Specifications

SPECIES REACTIVITY:

TESTED APPLICATIONS:

USER NOTE: Optimal dilutions for each application to be determined by the researcher.

SPECIFICITY: The 2.43 monoclonal antibody specifically reacts with mouse CD8 antigen.

HOST SPECIES: Rat

Properties

PURIFICATION: The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

PHYSICAL STATE: liquid

BUFFER: Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.

CONCENTRATION: 0.2 mg/mL

STORAGE CONDITIONS: The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.

CLONALITY: Monoclonal

ISOTYPE: Rat IgG2b

CONJUGATE: PE

Additional Info

ALTERNATE NAMES: Ly-2, Ly-B, Ly-35, Lyt-2, BB154331, Cd8a

OFFICIAL SYMBOL: Cd8a

GENE ID: 12525

Background

BACKGROUND: The 2.43 monoclonal antibody specifically reacts with mouse CD8 antigen. CD8a (the alpha chains) form heterodimers with CD8b (the beta chains) or homodimers (alpha-alpha), which occur as receptors on the surface of the majority of thymocytes. A subpopulation of mature T lymphocytes expresses the CD8 alpha beta (alpha

beta TCR T cells), and a subpopulation of intestinal intraepithelial lymphocytes and dendritic cells express CD8a without CD8b. CD8 interacts with the mouse major histocompatibility complex class I (MHC class I) molecules on antigen-presenting cells or epithelial cells.

REFERENCES:

- 1) Salem, M. L., Hossain, M. S. (2000). In vivo acute depletion of CD8+ T cells before murine cytomegalovirus infection upregulated innate antiviral activity of natural killer cells. International journal of immunopharmacology, 22(9), 707-718.
 - 2) Kruisbeek, A. M. (1991). In Vivo Depletion of CD4 and CD8 Specific T Cells. Current protocols in immunology, 4-1.
 - 3) Davies, A., Kalb, S., Liang, B., Aldrich, C. J., Lemonnier, F. A., Jiang, H., ... Soloski, M. J. (2003). A peptide from heat shock protein 60 is the dominant peptide bound to Qa-1 in the absence of the MHC class Ia leader sequence peptide Qdm. The Journal of Immunology, 170(10), 5027-5033.
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FOR RESEARCH USE ONLY

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