Store at 4°C

LE/AF Purified Anti-Mouse CD8a (2.43) Monoclonal Antibody

Catalog Number	Vial Size
M10085-14B	50 µg
M10085-14E	500 µg
M10085-14F	1 mg

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Important Note: Centrifuge before opening to ensure complete recovery of vial contents.
This product is guaranteed up to one year from purchase.

Purified Antibody Characterization

Clone	Isotype	Reactivity
2.43	Rat IgG2a	Mouse

Description

The 2.43 antibody reacts with the 32-34 kDa alpha subunit of mouse CD8, known as CD8a or CD8 alpha. CD8a can form a homodimer (CD8 alpha-alpha), but is more commonly expressed as a heterodimer with a second chain known as CD8b or CD8 beta. CD8 acts as a co-receptor in antigen recognition and subsequent T cell activation induced by binding of the T cell receptor (TCR) to antigen-bearing MHC Class I molecules. The cytoplasmic domains of CD8 provide binding sites for the tyrosine kinase lck and facilitate intracellular signaling events that lead to T cell activation, development, and cytotoxic effector functions. $CD8^+$ cytotoxic T cells (CTLs) play an important role in inducing cell death of tumor cells, as well as cells infected by virus, bacteria or parasites. The 2.43 antibody is widely used as a phenotypic marker for mouse CD8 on cytotoxic T cells, thymocytes, as well as on certain cell types that do not also express the TCR, including some NK cells and lymphoid dendritic cells.

Reported Applications

This 2.43 antibody has been reported for use in flow cytometric staining. It has also been reported for use in cell depletion.

Product Information

Production Method: Stirred tank fermentation

Medium: Hybridoma-SFM + 1%FCS + Gln + Gluc + P/S

Purification Method: Protein G

Concentration: 1 mg/ml

Endotoxin: < 2.00 EU/mg (LAL)

Purity: >95% (by SDS-PAGE)

Sterile: 0.2 µm Filtration

Formulated: PBS, pH7.2

Storage: Keep as concentrated solution. Store at 4°C as an undiluted liquid. For extended storage aliquot contents and freeze at -20°C or lower. Avoid cycles of freezing and thawing.

For Research Use Only.

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