

Technical Data Sheet

FlowMAb PE anti-mouse CD8 α



Attention: Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at <https://bioxcell.com/terms-and-conditions>.

Lot Specific Information

Lot Number: Lot Specific*
Volume: Lot Specific*
Concentration: Lot Specific* (generally 4 to 11 mg/ml) *
Total Protein: Lot Specific*

*This information will be noted on the certificate of analysis that ships with this product.

Product Information

Catalog Number: FM0004-1-PE
Clone: 53-6.7
Isotype: Rat IgG2a, κ
Conjugation: PE
Excitation Source: Yellow-Green 488 nm, 532 nm, 561 nm
Excitation Max: 496 nm, 566 nm
Emission Max: 576 nm
Recommended Isotype Control(s): FlowMAb PE rat IgG2a isotype control, anti-trinitrophenol
Immunogen: Mouse Spleen Cells or Thymocyte Membranes
Reported Applications: Immunofluorescence Flow cytometry
Formulation: PBS, pH 6.5
Contains 0.09% Sodium Azide
Production: Purified from cell culture supernatant in an animal-free facility
Purification: Protein G
RRID: [AB_1107671](https://eutils.ncbi.nlm.nih.gov/entrez/eutils/rrid.cgi?db=AB&term=AB_1107671)

Description

The 53-6.7 monoclonal antibody reacts with mouse CD8 α . The CD8 antigen is a transmembrane glycoprotein that acts as a co-receptor for the T cell receptor (TCR). Like the TCR, CD8 binds to class I MHC molecules displayed by antigen-presenting cells. CD8 is primarily expressed on the surface of cytotoxic T cells, but can also be found on thymocytes, natural killer cells, and some dendritic cell subsets. CD8 most commonly exists as a heterodimer composed of one CD8 α and one CD8 β chain however, it can also exist as a homodimer composed of two CD8 α chains. Both the CD8 α and CD8 β chains share significant homology to immunoglobulin variable light chains. This R-phycoerythrin (R-PE or PE)-conjugated version of the 53-6.7 antibody is useful for flow cytometry and immunofluorescence applications.

Storage

Store at the stock concentration at 4°C and protected from prolonged exposure to light . **Do not freeze.**

Protocol Information

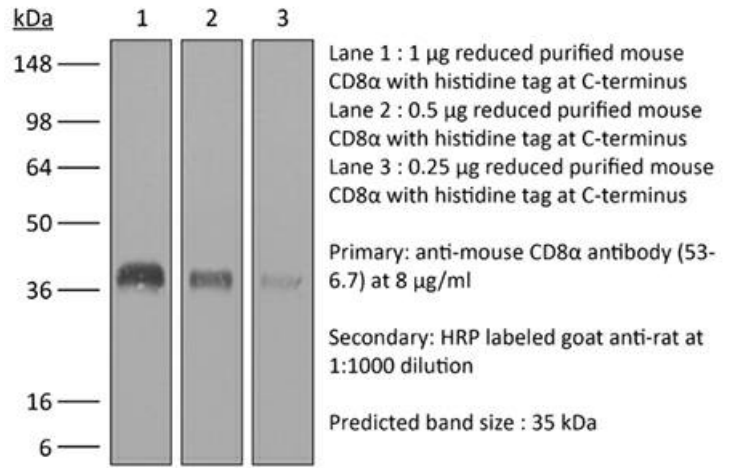
It is recommended that the reagent be carefully titrated for optimal performance in the assay of interest.

Application References

For a complete list of references, visit https://bioxcell.com/fm0004-1-pe?bxcs=9k1b3a#tab_references or scan the QR code below.

Binding Validation

Validation data shown below confirms that this clone binds to its target antigen. For lot specific binding validation data, e-mail technicalservice@bioxcell.com.



Bio X Cell, LLC
<https://bioxcell.com>
+1-866-787-3444
customerservice@bioxcell.com

Conditions: For research use only. Not for use in diagnostic or therapeutic procedures.

Not for resale.

Bio X Cell, Bio X Cell logo, and all other trademarks are the property of Bio X Cell, LLC © 2025 Bio X Cell, LLC