

Technical Data Sheet

FlowMAb PE anti-mouse CD3 ϵ



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: FM0001-1-PE
Clone: 145-2C11
Isotype: Armenian Hamster IgG1
Conjugation: PE
Excitation Source: Yellow-Green 488 nm, 532 nm, 561 nm
Excitation Max: 496 nm, 566 nm
Emission Max: 576 nm
Immunogen: Mouse BM10-37 cytotoxic T cells
Reported Applications: Immunofluorescence Flow cytometry
Formulation: PBS, pH 7.0
Contains 0.09% Sodium Azide
Production: Purified from cell culture supernatant in an animal-free facility
Purification: Protein A
RRID: [AB_1107634](https://eutils.ncbi.nlm.nih.gov/entrez/eutils/rrid.cgi?db=AB_1107634)

Description

The 145-2C11 monoclonal antibody reacts with mouse CD3 ϵ , a 20 kDa transmembrane cell-surface protein that belongs to the immunoglobulin superfamily. CD3 ϵ is one of five polypeptide chains that combine to form the TCR complex. CD3 ϵ is expressed on T lymphocytes, NK-T cells, and, to varying degrees, on developing thymocytes. CD3 plays roles in TCR signaling, T lymphocyte activation, and antigen recognition. The 145-2C11 antibody clone is well characterized, and its unique specificity for CD3 ϵ makes it a reliable marker of T cells in experiments with mouse samples. This R-phycoerythrin (R-PE or PE)-conjugated version of the 145-2C11 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

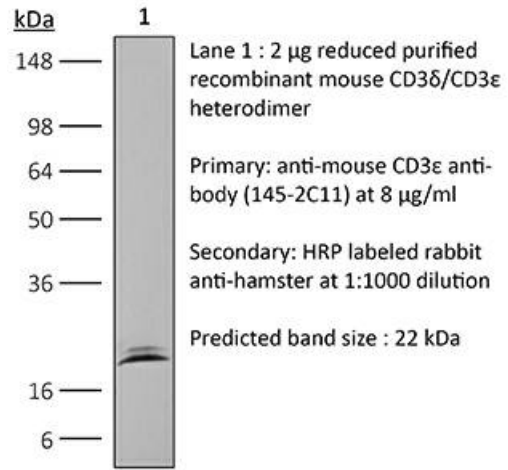
It is recommended that the reagent be carefully titrated for optimal performance in the assay of interest.

Application References

For a complete list of references, visit https://bioxcell.com/fm0001-1-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.



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

Not for resale.

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