

Technical Data Sheet

FlowMAb APC anti-human CD4



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: FM0288-APC
Clone: RPA-T4
Isotype: Mouse IgG1, κ
Conjugation: APC
Excitation Source: Red 627-640 nm
Excitation Max: 651 nm
Emission Max: 660 nm
Immunogen: Not available or unknown
Reported Applications: Immunofluorescence Immunohistochemistry (frozen) 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 G
RRID: [AB_2687811](https://eutils.ncbi.nlm.nih.gov/entrez/eutils/rrid.cgi?db=AB_2687811)

Description

The RPA-T4 monoclonal antibody reacts with the human CD4. The CD4 antigen is a 55 kDa cell surface type I membrane glycoprotein belonging to the immunoglobulin superfamily. CD4 acts as a co-receptor, which, in cooperation with the T cell receptor (TCR), interacts with class II MHC molecules displayed by antigen presenting cells (APC). Most thymocytes, helper T cells, a subset of NK-T cells, and dendritic cells and macrophages express CD4. CD4 plays an important role in the development of T cells and is required for the optimal functions of mature T cells. This allophycocyanin (APC)-conjugated version of the antibody is useful for flow cytometry, immunofluorescence, and immunohistochemistry (frozen) applications.

Storage

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

Protocol Information

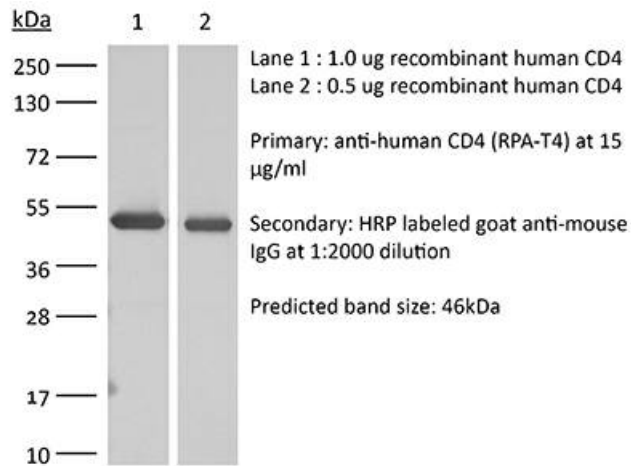
It is recommended that the reagent be carefully titrated for optimal performance in the assay of interest.

Application References

For a complete list of references, visit https://bioxcell.com/fm0288-apc?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.

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