

# Technical Data Sheet

FlowMAb APC anti-human CD3



**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: FM0001-2-APC  
Clone: OKT-3  
Isotype: Mouse IgG2a, κ  
Conjugation: APC  
Excitation Source: Red 627-640 nm  
Excitation Max: 651 nm  
Emission Max: 660 nm  
Immunogen: Not available or unknown  
Reported Applications: 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\\_1107632](https://abnova.com/AB_1107632)

## Description

The OKT-3 monoclonal antibody reacts with human CD3ε, a 20 kDa transmembrane cell-surface protein that belongs to the immunoglobulin superfamily. CD3ε is one of five polypeptide chains that combine to form the TCR complex. CD3ε 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 OKT3 antibody clone can block the binding of clones SK7 and UCHT1. This allophycocyanin (APC)-conjugated version of the OKT-3 antibody is useful for flow cytometry.

## 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/fm0001-2-apc?bxcs=9k1b3a#tab\\_references](https://bioxcell.com/fm0001-2-apc?bxcs=9k1b3a#tab_references) or scan the QR code below.



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