

# Technical Data Sheet

## InVivoMAb anti-mouse CD3 $\epsilon$



**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: BE0261  
Clone: KT3  
Isotype: Rat IgG2a  
Recommended Isotype Control(s): InVivoMAb rat IgG2a isotype control, anti-trinitrophenol  
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer  
Immunogen: CBAT6 mouse thymocytes  
Reported Applications: *in vitro* T cell negative selection  
*in vitro* T cell stimulation/activation  
Immunofluorescence  
Formulation: PBS, pH 7.0  
Contains no stabilizers or preservatives  
Endotoxin:  $\leq 1$  EU/mg ( $\leq 0.001$  EU/ $\mu$ g)  
Determined by LAL gel clotting assay  
Purity:  $\geq 95\%$   
Determined by SDS-PAGE  
Sterility: 0.2  $\mu$ m filtration  
Production: Purified from cell culture supernatant in an animal-free facility  
Purification: Protein G  
RRID: [AB\\_2687740](https://identifiers.org/AB_2687740)  
Molecular Weight: 150 kDa

### Description

The KT3 monoclonal antibody reacts with mouse CD3 $\epsilon$ , a 20 kDa transmembrane cell-surface protein that belongs to the immunoglobulin superfamily. CD3 $\epsilon$  is one of five polypeptide chains that combine to form the TCR complex. CD3 $\epsilon$  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 KT3 antibody has been shown to induce T lymphocyte activation via binding and stimulating the TCR.

### Storage

Store at the stock concentration at 4°C . **Do not freeze.**

It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at <https://bioxcell.com/faqs>.

### Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

## Application References

For a complete list of references, visit

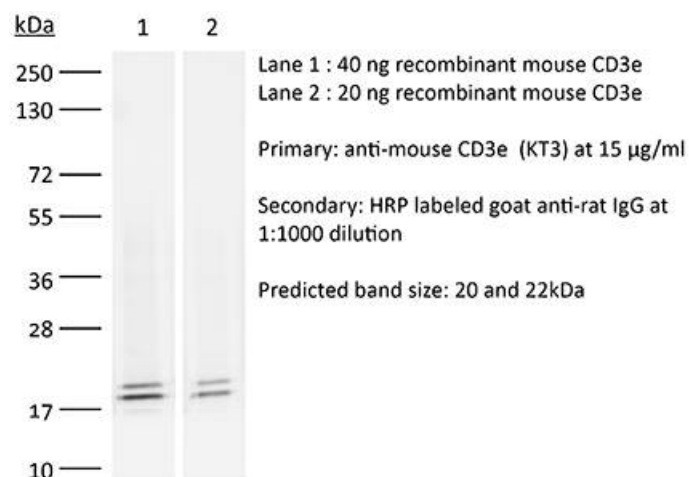
[https://bioxcell.com/be0261?bxcs=9k1b3a#tab\\_references](https://bioxcell.com/be0261?bxcs=9k1b3a#tab_references)

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](mailto:technicalservice@bioxcell.com).



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*Not for resale.*

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