

# Technical Data Sheet

## InVivoMAb anti-mouse IL-2



**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: BE0042  
Clone: JES6-5H4  
Isotype: Rat IgG2b,  $\kappa$   
Recommended Isotype Control(s): InVivoMAb rat IgG2b isotype control, anti-keyhole limpet hemocyanin  
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer  
Immunogen: Recombinant mouse IL-2  
Reported Applications: *in vivo* IL-2 neutralization  
*in vitro* IL-2 neutralization  
*in vivo* IL-2 receptor stimulation (as a complex with IL-2)  
ELISPOT  
Flow cytometry  
Formulation: PBS, pH 7.0  
Contains no stabilizers or preservatives  
Endotoxin: <2EU/mg (<0.002EU/ $\mu$ g)  
Determined by LAL gel clotting assay  
Purity: >95%  
Determined by SDS-PAGE  
Sterility: 0.2  $\mu$ m filtered  
Production: Purified from cell culture supernatant in an animal-free facility  
Purification: Protein G  
RRID: [AB\\_1107703](https://eutils.ncbi.nlm.nih.gov/entrez/eutils/rrid.cgi?db=AB_1107703)  
Molecular Weight: 150 kDa

### Description

The JES6-5H4 monoclonal antibody reacts with mouse IL-2, a 17 kDa cytokine that is mainly produced by T cells in response to antigenic or mitogenic stimulation. IL-2 is required for T cell proliferation and other activities crucial to the regulation of immunity. The cytokine can also stimulate the growth and differentiation of B cells, monocytes/macrophages, and NK cells. Additionally, IL-2 prevents autoimmune diseases by promoting the differentiation of certain immature T cells into regulatory T cells. The JES6-5H4 antibody has been shown to neutralize IL-2 *in vivo*.

### 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/catalogsearch/result/?q=BE0042#tab\\_references](https://bioxcell.com/catalogsearch/result/?q=BE0042#tab_references) or scan the QR code below.



---

**Bio X Cell, LLC**  
<https://bioxcell.com>  
+1-866-787-3444  
[customerservice@bioxcell.com](mailto: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 © 2024 Bio X Cell, LLC**