

## InVivoMAb anti-mouse ICOSL (CD275)

### Lot Specific Information

<b>Lot Number:</b>	Lot Specific*
<b>Volume:</b>	Lot Specific*
<b>Concentration:</b>	Lot Specific* (generally 4 to 11 mg/ml) *
<b>Total Protein:</b>	Lot Specific*

\*This information will be noted on the certificate of analysis that ships with this product.

### Product Information

<b>Catalog Number:</b>	<b>BE0028</b>
<b>Clone:</b>	<b>HK5.3</b>
<b>Isotype:</b>	Rat IgG2a, $\kappa$
<b>Recommended Isotype Control(s):</b>	InVivoMAb rat IgG2a isotype control, anti-trinitrophenol
<b>Recommended Dilution Buffer:</b>	InVivoPure pH 7.0 Dilution Buffer
<b>Immunogen:</b>	Mouse B7-RP1 transfected cell line
<b>Reported Applications:</b>	<i>in vivo</i> ICOSL neutralization
<b>Formulation:</b>	PBS, pH 7.0 Contains no stabilizers or preservatives
<b>Endotoxin:</b>	<2EU/mg (<0.002EU/ $\mu$ g) Determined by LAL gel clotting assay
<b>Purity:</b>	>95% Determined by SDS-PAGE
<b>Sterility:</b>	0.2 $\mu$ m filtered
<b>Production:</b>	Purified from tissue culture supernatant in an animal free facility
<b>Purification:</b>	Protein G
<b>RRID:</b>	AB_1107566
<b>Molecular Weight:</b>	150 kDa

### Description

The HK5.3 monoclonal antibody reacts with mouse ICOSL (inducible T cell co-stimulator ligand) also known as CD275, B7RP-1, and B7-H2. ICOSL is a 40 kDa immune checkpoint protein belonging to the Ig receptor superfamily. Upon ICOSL binding, ICOS signaling co-stimulates T and B cell responses. The ligand is expressed on antigen presenting cells including splenic B cells, dendritic cells, and macrophages. ICOS signaling is also thought to be important for maintaining regulatory T cell homeostasis. The HK5.3 antibody has been shown to block the binding of ICOSL to ICOS both *in vitro* and *in vivo*. HK5.3 treatment of mice has been reported to lead to a loss of regulatory T cells.

### Shelf-life and Storage

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

All Bio X Cell antibodies have a guaranteed shelf-life of one year from the date of customer receipt when stored as recommended. 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 [bxc.com/faqs](https://bxc.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://bxc.com/product/m-cd275/#references> or scan the QR code below.

### Bio X Cell, Inc.

bxc.com  
1.866.787.3444  
[customerservice@bxc.com](mailto:customerservice@bxc.com)

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