

# Technical Data Sheet

InVivoMAb anti-mouse/human/rat/monkey ICOS (CD278)



**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: BE0353  
Clone: C398.4A  
Isotype: Armenian hamster IgG  
Recommended Isotype Control(s): InVivoMAb polyclonal Armenian hamster IgG  
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer  
Immunogen: Mouse T cell line D10.G4.1  
Reported Applications: *in vitro* T cell stimulation/activation  
Flow cytometry  
Immunoprecipitation  
Formulation: PBS, pH 7.0  
Contains no stabilizers or preservatives  
Endotoxin: <2EU/mg (<0.002EU/μg)  
Determined by LAL gel clotting assay  
Purity: >95%  
Determined by SDS-PAGE  
Sterility: 0.2 μm filtration  
Production: Purified from cell culture supernatant in an animal-free facility  
Purification: Protein A  
RRID: [AB\\_2894772](https://abnova.com/AB_2894772)  
Molecular Weight: 150 kDa

## Description

The C398.4A monoclonal antibody reacts with mouse, human, rat and monkey ICOS (inducible T cell co-stimulator), also known as CD278. ICOS is a 47-57 kDa homodimeric glycoprotein belonging to the CD28 family of costimulatory molecules. ICOS is expressed on activated T cells and upon ICOSL binding, 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 C398.4A antibody is commonly used to costimulate T cell activation and proliferation *in vitro*. C398.4A does not block the binding of ICOS to ICOSL.

## 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=BE0353#tab\\_references](https://bioxcell.com/catalogsearch/result/?q=BE0353#tab_references) or scan the QR code below.



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*Not for resale.*

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