

# Technical Data Sheet

## InVivoMAb anti-mouse IL-10R (CD210)



**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:	BE0050
Clone:	1B1.3A
Isotype:	Rat IgG1, $\kappa$
Recommended Isotype Control(s):	InVivoMAb rat IgG1 isotype control, anti-horseradish peroxidase
Recommended Dilution Buffer:	InVivoPure pH 6.5T Dilution Buffer
Immunogen:	Recombinant ligand-binding domain of mouse IL-10R
Reported Applications:	<i>in vivo</i> blocking of IL-10/IL-10R signaling <i>in vitro</i> blocking of IL-10R signaling Flow cytometry Western Blot
Formulation:	PBS, pH 6.5 0.01% Tween 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 filtration
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	<a href="#">AB_1107611</a>
Molecular Weight:	150 kDa

### Description

The 1B1.3A monoclonal antibody reacts with mouse IL-10R (IL-10 receptor) also known as CD210. The IL-10R is a class II cytokine receptor and is expressed by a variety of cell types including thymocytes, T lymphocytes, B lymphocytes, NK cells, monocytes, and macrophages. Upon binding IL-10, IL-10R stimulation results in many pleiotropic effects in immunoregulation and inflammation. IL-10R downregulates the expression of pro-inflammatory cytokines, MHC class II antigens, and co-stimulatory molecules on macrophages. It also enhances B lymphocyte survival, proliferation, and antibody production. IL-10R signaling can block NF- $\kappa$ B activity, and is involved in the regulation of the JAK-STAT signaling pathway. The 1B1.3A antibody is a neutralizing antibody and has been shown to block the binding of human IL-10, which cross-reacts with the mouse IL-10R. However, this clone does not recognize the human IL-10R.

### 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.

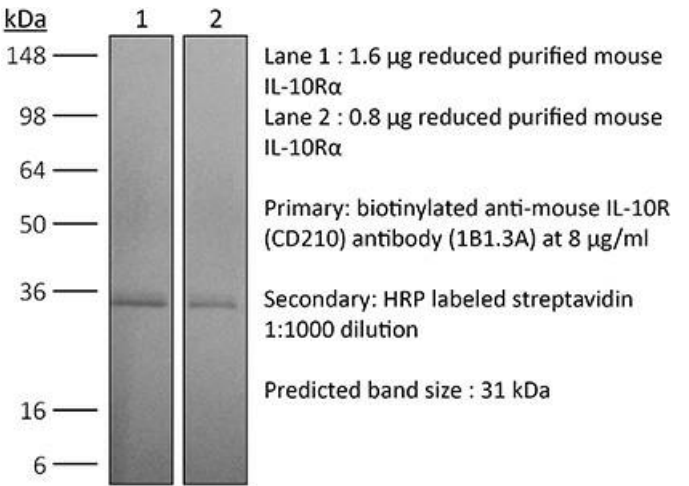
### Application References

For a complete list of references, visit [https://bioxcell.com/catalogsearch/result/?q=BE0050#tab\\_references](https://bioxcell.com/catalogsearch/result/?q=BE0050#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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