Technical Data Sheet

InVivoMAb anti-mouse IL-1 R (CD121a)

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:	**BE0256**
Clone:	**JAMA-147**
Isotype:	Armenian Hamster IgG, κ
Recommended Isotype Control(s):	InVivoMAb polyclonal Armenian hamster IgG
Recommended Dilution Buffer:	InVivoPure pH 6.0T Dilution Buffer
Immunogen:	Extracellular domain of mouse IL-1 R type 1
Reported Applications:	*in vivo* IL-1 R blockade *in vitro* IL-1 R blockade
Formulation:	PBS, pH 6.0 0.01% Tween 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 filtered
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	AB_2661843
Molecular Weight:	150 kDa

Description

The JAMA-147 monoclonal antibody reacts with mouse IL-1 receptor (IL-1 R) type 1 also known as CD121a. IL-1 R is an 80 kDa transmembrane glycoprotein and a member of the immunoglobulin superfamily. The receptor is expressed on T cells, thymocytes, dendritic cells, fibroblasts, vascular endothelial cells, epithelial cells and neural cells. IL-1 R type 1 can bind both IL-1α and IL-1β. Upon ligand binding the type I receptor mediates all the known IL-1 biological responses.

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/be0256?bxcs=9k1b3a#tab_references or scan the QR code below.

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