

InVivoMAb anti-rat Kappa Immunoglobulin Light Chain

Lot Specific Information

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|-----------------------|---|
| 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

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| Catalog Number: | BE0122 |
| Clone: | MAR 18.5 |
| Isotype: | Mouse IgG2a, κ |
| Recommended Isotype Control(s): | InVivoMAb mouse IgG2a isotype control, unknown specificity |
| Recommended Dilution Buffer: | InVivoPure pH 7.0 Dilution Buffer |
| Immunogen: | Soluble rat immunoglobulin |
| Reported Applications: | <i>in vivo</i> B cell depletion in combination with anti-CD19 (clone 1D3) and anti-CD22 (clone Cy34.1) |
| 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 filtered |
| Production: | Purified from tissue culture supernatant in an animal free facility |
| Purification: | Protein G |
| RRID: | AB_10951292 |
| Molecular Weight: | 150 kDa |

Description

The MAR 18.5 monoclonal antibody reacts with the kappa chain of the rat immunoglobulin light chain. The κ chain is one of two types of polypeptide subunits which make up the immunoglobulin light chain. A typical antibody is composed of two immunoglobulin heavy chains and two immunoglobulin light chains. The κ chain is coded for by V (variable), J (joining) and C (constant) genes. These genes undergo V(D)J recombination to generate a diverse repertoire of immunoglobulins. This antibody is used in combination with rat anti-mouse CD19 and CD22 (clones [1D3](#) and [Cy34.1](#)) to deplete B cells *in vivo*.

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 bxcell.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://bxcell.com/product/rat-kappa-light-chain/#references> or scan the QR code below.

Bio X Cell, Inc.

bxcell.com
1.866.787.3444
customerservice@bxcell.com

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