

Technical Data Sheet

InVivoMAb anti-mouse IL-6



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: BE0046
Clone: MP5-20F3
Isotype: Rat IgG1, κ
Recommended Isotype Control(s): InVivoMAb rat IgG1 isotype control, anti-horseradish peroxidase
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: Recombinant mouse IL-6
Reported Applications: *in vivo* IL-6 neutralization
in vitro IL-6 neutralization
Formulation: PBS, pH 7.0
Contains no stabilizers or preservatives
Endotoxin: ≤ 1 EU/mg (≤ 0.001 EU/ μ g)
Determined by LAL gel clotting assay
Purity: $\geq 95\%$
Determined by SDS-PAGE
Sterility: 0.2 μ m filtered
Production: Purified from cell culture supernatant in an animal-free facility
Purification: Protein G
RRID: [AB_1107709](https://europepmc.org/abstract/proc/pt/pt/AB_1107709)
Molecular Weight: 150 kDa

Description

The MP5-20F3 monoclonal antibody reacts with mouse IL-6 (interleukin-6) a 21-28 kDa cytokine that is expressed by many cell types, including T lymphocytes, B lymphocytes, monocytes, fibroblasts, and endothelial cells. IL-6 signals through a cell-surface type I cytokine receptor complex consisting of the ligand-binding IL-6R α chain (CD126), and the signal-transducing component gp130 (also called CD130). Upon receptor binding IL-6 influences antigen-specific immune responses, inflammatory responses, neuronal development, and is a major mediator of the acute phase reaction. The MP5-20F3 monoclonal antibody has been shown to neutralize the bioactivity of natural or recombinant IL-6.

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.

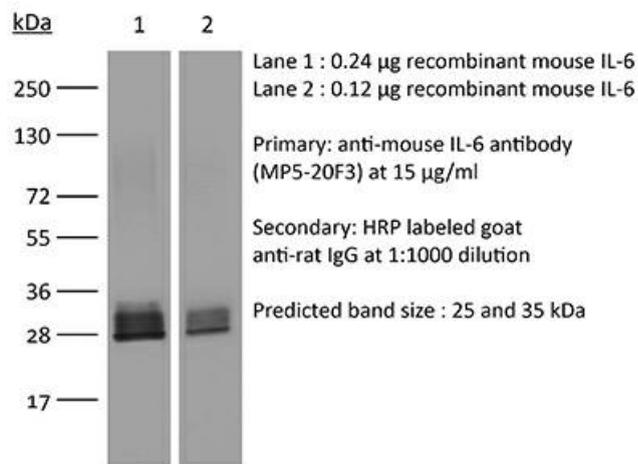
Application References

For a complete list of references, visit https://bioxcell.com/be0046?bxcs=9k1b3a#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.



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