# Technical Data Sheet

## InVivoMAb anti-mouse IL-10

**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

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|---|---|
| **Catalog Number:** | **BE0049** |
| **Clone:** | **JES5-2A5** |
| **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-10 |
| **Reported Applications:** | *in vivo* IL-10 neutralization<br>*in vitro* IL-10 neutralization |
| **Formulation:** | PBS, pH 7.0<br>Contains no stabilizers or preservatives |
| **Endotoxin:** | ≤1EU/mg (≤0.001EU/μg)<br>Determined by LAL gel clotting assay |
| **Purity:** | ≥95%<br>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_1107696 |
| **Molecular Weight:** | 150 kDa |

## Description

The JES5-2A5 monoclonal antibody reacts with mouse IL-10. IL-10 is a 17-21 kDa cytokine which is primarily produced by monocytes and, to a lesser extent, Th2 cells, mast cells, T regulatory cells, and certain subsets of activated T and B cells. IL-10 has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II antigens, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-κB activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggest that this cytokine is an essential immunoregulator in the intestinal tract. The JES5-2A5 antibody has been shown to neutralize the bioactivity of natural or recombinant IL-10.

## 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/be0049?bxcs=9k1b3a#tab_references or scan the QR code below.

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