# Technical Data Sheet

## InVivoMAb anti-mouse DR5 (CD262)

**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:** | **BE0161** |
| **Clone:** | **MD5-1** |
| **Isotype:** | Armenian Hamster IgG, κ |
| **Recommended Isotype Control(s):** | InVivoMAb polyclonal Armenian hamster IgG |
| **Recommended Dilution Buffer:** | InVivoPure pH 7.0 Dilution Buffer |
| **Immunogen:** | Mouse DR5-Ig fusion protein |
| **Reported Applications:** | *in vivo* induction TRAIL-mediated apoptosis<br>*in vitro* induction TRAIL-mediated apoptosis |
| **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_10950391 |
| **Molecular Weight:** | 150 kDa |

## Description

The MD5-1 monoclonal antibody reacts with mouse death receptor 5 (DR5) also known as CD262 and TRAIL-R2. DR5 is a 55 kDa member of the TNF receptor superfamily and is expressed by most cell types. Upon binding to its ligand TRAIL, DR5 activates NF-κB and induces TRAIL-mediated apoptosis. The MD5-1 antibody has been shown to induce TRAIL-mediated apoptosis in vitro and in vivo.

## 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/be0161?bxcs=9k1b3a#tab_references or scan the QR code below.

**Bio X Cell, LLC**
https://bioxcell.com
+1-866-787-3444
customerservice@bioxcell.com

*Conditions: For research use only. Not for use in diagnostic or therapeutic procedures.*
*Not for resale.*
**Bio X Cell, Bio X Cell logo, and all other trademarks are the property of Bio X Cell, LLC © 2025 Bio X Cell, LLC**