

# Technical Data Sheet

## InVivoMAb anti-mouse Delta-like protein 4 (DLL4)



**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:** BE0127  
**Clone:** HMD4-2  
**Isotype:** Armenian Hamster IgG,  $\kappa$   
**Recommended Isotype Control(s):** InVivoMAb polyclonal Armenian hamster IgG  
**Recommended Dilution Buffer:** InVivoPure pH 7.0 Dilution Buffer  
**Immunogen:** Recombinant mouse DLL4  
**Reported Applications:** *in vivo* DLL4 neutralization  
*in vitro* DLL4 neutralization  
**Formulation:** PBS, pH 7.0  
Contains no stabilizers or preservatives  
**Endotoxin:** <2EU/mg (<0.002EU/ $\mu$ g)  
Determined by LAL gel clotting assay  
**Purity:** >95%  
Determined by SDS-PAGE  
**Sterility:** 0.2  $\mu$ m filtered  
**Production:** Purified from cell culture supernatant in an animal-free facility  
**Purification:** Protein G  
**RRID:** [AB\\_10950366](https://abnova.com/AB_10950366)  
**Molecular Weight:** 150 kDa

### Description

The HMD4-2 monoclonal antibody reacts with mouse Delta-like protein 4 (DLL4) one of many Notch ligands. DLL4 is expressed by vascular endothelium, and plays a vital role in embryonic vascular development. The Notch pathway is an important intercellular signaling pathway that plays a major role in controlling cell fate. The HMD4-2 antibody has been shown to neutralize DLL4 *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/catalogsearch/result/?q=BE0127#tab\\_references](https://bioxcell.com/catalogsearch/result/?q=BE0127#tab_references) or scan the QR code below.



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