

# Technical Data Sheet

## InVivoMAb anti-mouse CD205 (DEC-205)



**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:** BE0420  
**Clone:** NLDC-145  
**Isotype:** Rat IgG2a,  $\kappa$   
**Recommended Isotype Control(s):** InVivoMAb rat IgG2a isotype control, anti-trinitrophenol  
**Recommended Dilution Buffer:** InVivoPure pH 7.0 Dilution Buffer  
**Immunogen:** Mouse lymph node tissue  
**Reported Applications:** *in vivo* antigen-targeting to DEC-205  
*in vitro* antigen-targeting to DEC-205  
Immunohistochemistry (frozen)  
Immunofluorescence  
Flow cytometry  
**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 filtration  
**Production:** Purified from cell culture supernatant in an animal-free facility  
**Purification:** Protein G  
**Molecular Weight:** 150 kDa

### Description

The NLDC-145 monoclonal antibody reacts with CD205 also known as DEC-205. CD205 is a c-type lectin receptor that is highly expressed on immature dendritic cells and different epithelial cell types. It has been demonstrated extensively that targeting antigens to DEC-205 by specific antibody-antigen complexes leads to the efficient uptake and presentation of antigens on MHC I and MHC II complexes resulting in the activation of antigen-specific CD8<sup>+</sup> and CD4<sup>+</sup> T cells, respectively.

### 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.

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*Not for resale.*

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