

## InVivoMAb anti-human Ganglioside GD2

### Lot Specific Information

<b>Lot Number:</b>	Lot Specific*
<b>Volume:</b>	Lot Specific*
<b>Concentration:</b>	Lot Specific* (generally 4 to 11 mg/ml) *
<b>Total Protein:</b>	Lot Specific*

\*This information will be noted on the certificate of analysis that ships with this product.

### Product Information

<b>Catalog Number:</b>	<b>BE0318</b>
<b>Clone:</b>	<b>14G2a</b>
<b>Isotype:</b>	Mouse IgG2a, $\kappa$
<b>Recommended Isotype Control(s):</b>	InVivoMAb mouse IgG2a isotype control, unknown specificity
<b>Recommended Dilution Buffer:</b>	InVivoPure pH 7.0 Dilution Buffer
<b>Immunogen:</b>	Neuroblastoma cell line LAN-1
<b>Reported Applications:</b>	<i>in vitro</i> induction of apoptosis in GD2 <sup>+</sup> cells <i>in vivo</i> inhibition of GD2 <sup>+</sup> tumor cell growth
<b>Formulation:</b>	PBS, pH 7.0 Contains no stabilizers or preservatives
<b>Endotoxin:</b>	<2EU/mg (<0.002EU/ $\mu$ g) Determined by LAL gel clotting assay
<b>Purity:</b>	>95% Determined by SDS-PAGE
<b>Sterility:</b>	0.2 $\mu$ M filtered
<b>Production:</b>	Purified from tissue culture supernatant in an animal free facility
<b>Purification:</b>	Protein A
<b>RRID:</b>	AB_2819045
<b>Molecular Weight:</b>	150 kDa

### Description

The 14G2a monoclonal antibody reacts with human ganglioside GD2 a sialic-acid bearing glycolipid that is involved in mediating cell attachment to the extracellular matrix. Ganglioside GD2 is expressed on tumors of neuroectodermal origin including human neuroblastoma and melanoma. The tumor specific expression of GD2 makes it a suitable target for immunotherapy with monoclonal antibodies or with artificial T cell receptors. Clone 14G2a is an isotype switch variant selected from the parental IgG3-producing hybridoma 14.18 and has identical reactivity as the parental antibody.

### Shelf-life and Storage

Store at the stock concentration at 4°C. **Do not freeze.**

All Bio X Cell antibodies have a guaranteed shelf-life of one year from the date of customer receipt when stored as recommended. 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 [bxcell.com/faqs](https://bxcell.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://bxcell.com/product/invivomab-anti-human-ganglioside-gd2/#references> or scan the QR code below.

### Bio X Cell, Inc.

bxcell.com  
1.866.787.3444  
[customerservice@bxcell.com](mailto:customerservice@bxcell.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, Inc. © 2020 Bio X Cell



---

**Bio X Cell, Inc.**

bxcell.com  
1.866.787.3444

**customerservice@bxcell.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, Inc. © 2020 Bio X Cell**