Technical Data Sheet

InVivoMAb anti-human/mouse Ganglioside GD2

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:	**BE0318**
Clone:	**14G2a**
Isotype:	Mouse IgG2a, κ
Recommended Isotype Control(s):	InVivoMAb mouse IgG2a isotype control, unknown specificity
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Neuroblastoma cell line LAN-1
Reported Applications:	*in vitro* induction of apoptosis in GD2+ cells *in vivo* inhibition of GD2+ tumor cell growth
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	≤1EU/mg (≤0.001EU/µg) Determined by LAL assay
Purity:	≥95% Determined by SDS-PAGE
Sterility:	0.2 µm filtration
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	AB_2819045
Molecular Weight:	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.

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/be0318?bxcs=9k1b3a#tab_references or scan the QR code below.

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