Technical Data Sheet

InVivoMAb anti-human MAGE-C2 (CT10)

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:	**BE0335**
Clone:	**LX-CT10.5**
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:	CT10/MAGE-C2 protein
Reported Applications:	Immunohistochemistry (paraffin) Immunofluorescence Western blot
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	≤1EU/mg (≤0.001EU/µg) Determined by LAL gel clotting 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 A
RRID:	AB_2894755
Molecular Weight:	150 kDa

Description

The LX-CT10.5 monoclonal antibody reacts with human melanoma-associated antigen C2 (MAGEC2), also known as CT10 and HCA587. MAGEC2 is one of many cancer/testis (CT)-antigens. CT antigens are thought to repress the expression of some genes necessary for cellular differentiation. Normally, MAGEC2 expression is restricted to male germ cells in the testis however, MAGE-C2 is abnormally expressed in a wide variety of malignancies, including hepatocellular carcinoma, melanoma, bladder cancer, breast cancer, sarcoma, and lung cancer. MAGEC2 positive tumors are associated with reduced overall survival rates in prostate, hepatocellular, breast, and non-small cell lung carcinomas. Since MAGEC2 is highly expressed in cancer cells but absent from normal adult tissues it is considered an ideal target for cancer immunotherapy. The LX-CT10.5 antibody is useful for identifying MAGEC2 expressing cells in immunohistochemical studies.

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/be0335?bxcs=9k1b3a#tab_references or scan the QR code below.

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