Technical Data Sheet

InVivoMAb anti-human EphA2

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:	**BE0341**
Clone:	**B2D6**
Isotype:	Mouse IgG2b, κ
Recommended Isotype Control(s):	InVivoMAb mouse IgG2b isotype control, unknown specificity
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Human EphA2 isolated from Ras-transformed MCF-10A cells
Reported Applications:	Immunohistochemistry (paraffin) Immunoprecipitation Functional assay
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_2894761
Molecular Weight:	150 kDa

Description

The B2D6 monoclonal antibody reacts with human Ephrin type-A receptor 2 (EphA2). EphA2 is a ~130 kDa type I transmembrane glycoprotein that belongs to the receptor tyrosine kinase family. EphA2 is variably expressed by epithelial cells, dendritic cells, Langerhans cells, keratinocytes, and endothelial cells. EphA2 functions as a receptor for glycophosphatidylinositol (GPI) membrane-linked members of the Ephrin-A family, including Ephrins A1-A5. EphA2 is involved in regulating cellular growth, adhesion, migration, survival, and plays a role in angiogenesis. Its expression may be upregulated on vascular endothelium in certain breast, prostate, and colon cancers as well as on some metastatic tumor cells.

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/be0341?bxcs=9k1b3a#tab_references or scan the QR code below.

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