



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:	<2EU/mg (<0.002EU/ μ g) Determined by LAL gel clotting assay
Purity:	>95% Determined by SDS-PAGE
Sterility:	0.2 μ M filtered
Production:	Purified from tissue culture supernatant in an animal free facility
Purification:	Protein A
RRID:	
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 glycoposphatidylinositol (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.

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.

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-epha2/#references> or scan the QR code below.

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