Technical Data Sheet

InVivoMAb anti-mouse DKK3

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:	**BE0385**
Clone:	**DKK3-4.22**
Isotype:	Mouse IgG1, κ
Recommended Isotype Control(s):	InVivoMAb mouse IgG1 isotype control, unknown specificity
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Mouse DKK3-IgG2b fusion protein
Reported Applications:	*in vivo* DKK3 blocking *in vitro* DKK3 blocking Western blot Flow cytometry
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	<2EU/mg (<0.002EU/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 G
RRID:	
Molecular Weight:	150 kDa

Description

The DKK3-4.22 monoclonal antibody reacts with mouse Dickkopf-3 (DKK3), a secreted glycoprotein and member of the Dickkopf family of molecules. DKK3 is expressed by multiple cell types, including neurons, endothelial cells, keratinocytes, and zona glomerulosa cells of the adrenal cortex. DKK3 is a multifunctional protein involved in various cellular processes, including embryonic development, cell differentiation, proliferation, and apoptosis, via the Wnt pathway. DKK-3 has been shown to potentiate Wnt signaling through interactions with the high-affinity, transmembrane co-receptors Kremen-1 and Kremen-2. DKK3 has been implicated in the pathogenesis of a variety of diseases, including cancer, chronic heart failure, and kidney disease. The expression of DKK3 is decreased in a variety of cancer cell lines and it may function as a tumor suppressor gene.

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/be0385?bxcs=9k1b3a#tab_references or scan the QR code below.

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