Technical Data Sheet

InVivoMAb anti-mouse Notch4

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:	**BE0129**
Clone:	**HMN4-14**
Isotype:	Armenian Hamster IgG, κ
Recommended Isotype Control(s):	InVivoMAb polyclonal Armenian hamster IgG
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Notch4-Fc recombinant protein
Reported Applications:	*in vivo* Notch4 blocking *in vitro* Notch4 stimulation Flow cytometry
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 filtered
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	AB_10948996
Molecular Weight:	150 kDa

Description

The HMN4-14 monoclonal antibody reacts with mouse neurogenic locus notch homolog 4 (Notch4) a member of the Notch family of type 1 transmembrane proteins. The Notch signaling pathway is a highly conserved intercellular signaling pathway. Five Notch ligands have been identified including DLL4 and Jagged2. Upon ligand binding the Notch receptor undergoes proteolysis and translocates to the nucleus ultimately activating transcription. The Notch pathway has been shown to play a role in myeloid cell proliferation, hematopoiesis, and embryonic endothelial development.

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/be0129?bxcs=9k1b3a#tab_references or scan the QR code below.

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