Technical Data Sheet

InVivoMAb anti-canine CD34

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:	**BE0389**
Clone:	**1H6**
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:	Canine CD34 murine IgG2a fusion protein
Reported Applications:	Immunohistochemistry (frozen) Flow cytometry 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
Purification:	Protein G
RRID:	
Molecular Weight:	150 kDa

Description

The 1H6 monoclonal antibody reacts with canine CD34. CD34 is a type I monomeric sialomucin-like glyco-phosphoprotein that is present on many stem cell populations. CD34 is expressed by hematopoietic progenitor cells in the bone marrow and peripheral blood, as well as on some populations of mesenchymal stem cells, stromal cells, embryonic fibroblasts, tumor cells, and on adult vascular endothelial cells. CD34 is often used as a marker to quantify the number of haemopoietic stem cells for use in haemopoietic stem cell transplantation. CD34 is an important adhesion molecule and is required for T cells to enter lymph nodes through L-selectin binding.

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/be0389?bxcs=9k1b3a#tab_references or scan the QR code below.

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